



CALDERON COMP., BANAWA, GUADALUPE, CEBU CITY, CEBU

DANAO MINING PROJECT

PUBLIC HEARING REPORT

Submitted by:

PERMATA RESOURCES, INC. | UNIT 406, FSS BLDG. II, SCT. TUAZON COR SCT. CASTOR STS., BRGY.
LAGING HANDA, QUEZON CITY

Project Background

Project Name	Danao Mining Project
Project Proponent	Citadel Mining Corporation (subsidiary of Blu Kuartz Holdings, Inc)
Nature of Project	Major Quarrying Project
Proposed Extraction Rate	350,000 MTPY
Commodity	Pozzolan
Location of Quarry and Facilities	Barangays Cabungahan, Manlayag, Sta. Rosa and Guinacot, Danao City, Cebu
Permit	MPSA No. 155-2000-VII
Total Project Area	102.1 hectares out of the total 336.3782 hectares covered by the MPSA
Mine Life	10 Years
Mining Method	Surface Mining – Quarrying
Project components	<p>Quarry (includes haul and access roads, mobile crusher, stockpile and dumps)</p> <p>Support facilities (includes office buildings, housing facilities and bunk houses, security outposts and facilities, motorpool, nursery area)</p> <p>Pollution control facilities (includes sedimentation ponds/settling ponds, pit drainage)</p>

Summary of Public Hearing

Name of the Project:	Danao Mining Project
Venue:	Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu
Date:	17 January 2019
Time Started:	8:30 AM
Time Ended:	1:00 PM
Facilitator:	Atty. Unalee R. Monares, Chief, EMB 7 – Legal Division
Number of Participants:	71 Participants

Public Hearing Program

TIME	PROGRAM OF ACTIVITIES	PERSON RESPONSIBLE
8:30 – 9:00 AM	Registration	Proponent/ Preparer
9:00 – 9:30 AM	Invocation	Secretariat
	National Anthem	Secretariat
	Opening Remarks	Hon. Roger J. Olivar Chairman, Bgy. Guinacot
	Briefing and Orientation on the Purpose of the Public Hearing	Kyeth M. Bontia Senior EMS, EMB 7
	Rules on the Conduct of Public Hearing	Atty. Unalee Monares Chief, Legal/Public Hearing Officer
9:30 – 10:00 AM	Presentation on the Description of the Project including Alternatives Presentation of the EIA Study Process and Results	Dr. Silverio V. Magallon, Jr. EIS Consultant
10:00 – 12:30 Noon	Open Forum	Atty. Unalee Monares Chief, Legal/Public Hearing Officer
12:30 – 1:00 PM	Recapitulation of Issues Raised and the Proponent's Response	Atty. Unalee Monares Chief, Legal/Public Hearing Officer
	Next Steps	Engr. Carlo Vic Arida, EnP DENR-EMB Central Office

List of Directory of Participants

Invitation Sent (v)	Sector/Sub-Sectors	Name of Invitees
City Government of Danao		
	City Mayor	Hon. Ramon "Nito" Durano III
	City Vice Mayor	Hon. Thomas Mark "Mix" Durano
	City Planning and Development Officer	Arch. Rodel Ramas
✓	City Health Officer	Eric P. Echavez II, MD
✓	City Agriculturist	Mario T. Gorre

Invitation Sent (√)	Sector/Sub-Sectors	Name of Invitees
	OIC, CSWD	Jesusa M. Delgado
	City Engineering Office	Engr. Rosette B. Villaflor
√	CENRO	Dinah C. Biatingo
√	CENRO	Leo Enriquez
Barangay Cabungahan		
√	Community Representative	Regelio Monte
√	Barangay Kagawad	Jopon Mata
√	Barangay Captain	Darlene Mae K. Batican
√	Focal Person, BADAC	Jenny Rose O. Montanez
√	Barangay Kagawad	Alfonso P. Batucan
√	Barangay Kagawad	Al Albalde
√	Representative, Cabungahan Elementary School	Christine T. Blanza
√	President, Women's Association	Yolanda G. Batucan
√	Leader, Purok 7	Roselito M. Capul
√	Leader, Purok 10	Grace Batucan
√	Leader, Purok 9	William Olivar
√	Barangay Tanod	Vinancio Batucan
√	Leader, Purok 8	Reynaldo Monte
√	Barangay Secretary	Virginia Diaz
√	Barangay Treasurer	Emerita B. Nano
√	Barangay Kagawad	Eduardo O. Pataen
Barangay Guinacot		
√	Representative, Senior Citizen	Robert Generoso
√	BNS	Sabina M. Bariga
√	Representative, Guinacot Integrated School	Jomar A. Meca

Invitation Sent (√)	Sector/Sub-Sectors	Name of Invitees
√	Barangay Captain	Eric T. Perez
√	Barangay Secretary	Pilar B. Remo
√	Midwife	Flora J. Cogal
√	Barangay Official	Susana H. Enriquez
√	Chief Tanud	Rotewel Hermosilla
Barangay Manlayag		
√	Barangay Captain	Roger J. Olivar
√	Representative, Men	John Kerry C. Calo
√	Representative, Women	Gemma C. Calo
√	Chapel President	Lorgiena C. Tundag
√	Barangay Kagawad	Judilyn C. Arenes
√	Representative, Gerardo Ipil Integrated School	Maileen Laum
√	Barangay Kagawad	Leonides B. Arenas
√	President, Women Association	Charlin delos Santos
√	Community Representative	Ma. Lenie Egaman
√	Community Representative	John Eyerman
√	BNS	Helen T. Mansuerto
√	BNS	Ailene Roberts
√	Barangay Kagawad	Laarni A. Juntilla
Barangay Sta. Rosa		
√	Representative, Sta Rosa Integrated School	Leo Jesus G. Dagaton
√	Community Representative	Felimon B. Bariga Jr.
√	Community Representative	Mercedes L. Castillo
√	SK Chairman	Jaya Mae R. Cañas
√	Representative, Senior Citizen	Rebeca C. Bariga

Invitation Sent (√)	Sector/Sub-Sectors	Name of Invitees
√	Barangay Secretary	Irenea L. Bitoon
√	Barangay Chairwoman	Leonita O. Mata
√	Barangay Treasurer	Elvira L. Hermoso
√	Community Representative	Mary Ann L. Jore
Citadel Mining Corporation & Permata Resource Inc.		
√	Mining Engineer, Production, Citadel	Engr. Joanna Rae Evangelista
√	Legal Officer, Citadel	Atty. Eduard Bauzon
√	Finance, Citadel	Michael Relativo
√	EIS Preparer, Permata	Engr. Edwin Ramirez
√	EIS Preparer, Permata	Engr. Jess Adawe
√	EIS Preparer, Permata	Dr. Silverio V. Magallon, Jr.
√	EIS Preparer, Permata	For. Raul R. Bunao
√	EIS Preparer, Permata	Wilfredo B. Sanidad
√	EIS Preparer, Permata	Ian Francis Pagalilauan
√	Permata	Melisa H. Aratia
√	Permata	Jonalyn H. Aratia
DENR - Environmental Management Bureau		
√	Chief, Legal, DENR-EMB 7	Atty. Unalee Monares
√	Sr. EMS, DENR-EMB 7	Kyeth M. Bontia
√	Section Chief, EIA, DENR-EMB 7	Mary Ann Bueno
√	DENR-EMB Central Office	Oskar D. Cruz
√	DENR-EMB Central Office	George Silvederio
√	DENR-EMB Central Office	Nestor Castro
√	DENR-EMB RevCom	Jesus A. Javier
√	DENR-EMB RevCom	Elsie Cezar

Invitation Sent (√)	Sector/Sub-Sectors	Name of Invitees
√	DENR-EMB RevCom	Danny P. Berches
√	DENR-EMB RevCom	Pablo G. delos Reyes, Jr.

Sequence of Significant Activities Undertaken

Public Hearing Stage	Date	Activities
Pre-Public Hearing	(15 days before Public Hearing)	Publication of a notice of public hearing by Citadel Mining Corporation through newspaper
	(15 days before Public Hearing)	Posting of notices of public hearing in the City Hall, Barangay Halls, and other government offices (Notice Letter & Posters)
	(15 days before Public Hearing)	The proponent provided a copy of EIA Report to the City Government of Danao. An executive summary of the EIA Report (Cebuano version) was submitted to the Barangay Local Government Units who are directly or indirectly affected by the project.
	(15 days before Public Hearing)	Project Fact Sheet was provided to the concerned EMB and LGUs (City & Barangays). It was also uploaded in the EMB website.
	6 Jan 2020	Formal invitation letters were sent to the stakeholders
During Public Hearing	17 Jan 2020	<p>Registration of participants was started 8:30 in the morning.</p> <p>The program formally started at 9:00 AM with an invocation followed by the singing of national anthem.</p> <p>Hon. Roger J. Olivar delivered his opening remark/message to officially open the program. He encouraged everyone to participate in the public forum so that their voices will be heard by the company, DENR, and other concerned institutions. Miss Kyeth M. Bontia, Senior EMS of EMB 7 oriented the participants about the purpose of public hearing. Miss Bontia elaborated the activities conducted by the proponent prior to public hearing. On her presentation, she highlighted the Presidential Decree 1586 or the EIS System as the foundation in the conduct of the activity.</p> <p>After Miss Bontia, Atty. Unalee Monares, Public Hearing Officer and Chief of DENR-EMB 7 Legal Division, explain the rules in the conduct of public hearing. He reminded everybody to show respect to</p>

Public Hearing Stage	Date	Activities
		<p>be respected also by others. He also emphasized that the comments should be directly related to the issue at hand, it should be made for public good and interest.</p> <p>Dr. Silverio V. Magallon, Jr., EIS Consultant, presented the details of the project as well as the EIA study process and results. He used local dialect in the presentation for better appreciation and understanding of the participants.</p> <p>Open forum followed after the presentation of Dr. Magallon. It was presided by Atty. Monares, the designated public hearing officer. The summary of issues and concerns raised during the forum are presented in the table below.</p> <p>After the open forum, Atty. Monares recapitulated the issues and concerns raised by the participants. Engr. Carlo Vic Arida of DENR-EMB Central Office explained to the public the subsequent steps or activities in relation to ECC application of the company.</p> <p>The proceedings of public hearing were properly documented using video and audio recorders. Engr. Arida called for a post-assessment meeting after the public hearing. In general, the public hearing was successful as observed by the members of the Review Committee.</p>

Issues, Concerns, and Interests Raised or Addressed

The pertinent issues and concerns raised by the participants during the open forum are presented in the table below. It also displays the responses of the project proponent and the EIS consultants in the issues and concerns.

Issue/Concern, Interest Raised	Parties Concerned	Resolutions/Agreement	Person Responded to Issue Raised
What is your assessment on the roads, the main roads is substandard, even the drainage is substandard too. A lot of big trucks keep on parking in the street, people	John Eyerman, Brgy. Manlayag	If ever the project will be approved, the existing laws and ordinances of the Danao City government will still be there, and we still covered by the national and local laws. If ever there are illegal parking or the road is not	Atty. Edward Bauzon, Citadel

Issue/Concern, Interest Raised	Parties Concerned	Resolutions/Agreement	Person Responded to Issue Raised
standing the street may hit by loaded trucks of Citadel, so how's your assessment on that?		enough for our operation, I am sure the City government will not agree for our operation and they will not approve our business permit. We are still dependent on the local government.	
The moment you are digging up, would there be hammering type of digging or you will just going to use large backhoes or whatever for ponding on the grounds? What kind of ponding is that? As far as I am concern with the noise, you may actually assess if it possesses the vibration that everybody might feel it like an earthquake type.	John Eyerman, Brgy. Manlayag	As far as Citadel Mining is concern, we will do what is just and right in order to have an efficient operation. If it is necessary to use a Jackhammer then we will use. It is actually depending on the type of materials, but this pozzolan is I think very soft, in fact we can use our hands in pulling this type of material, so large jackhammer is unnecessary. In fact, we are just using backhoe for our small-scale operation.	Atty. Edward Bauzon, Citadel
Are you going to work 24 hours?	John Eyerman, Brgy. Manlayag	No, again, we will abide the ordinances of the LGU. If the LGU will say that our operation will be from 8AM to 5PM only, then we will do that because as much as possible we will not disturb the peace and harmony of the neighborhood.	Atty. Edward Bauzon, Citadel
Are you going to provide a septic system to the quarry site for your workers? Is it temporary or permanent type?	John Eyerman, Brgy. Manlayag	We are planning for a septic tank. We are going to build and we will ensure that we have septic tank. Regular inspection will be done to monitor if there is a leakage and contamination in the water. We will make sure that it will be built away from the water sources.	Engr. Joanna Rae Evangelista, Citadel
Will you be digging for water for yourself or buying it outside? This area has a very poor water source today.	John Eyerman, Brgy. Manlayag	No digging is required because there's a lot of water source. The government of Danao are also installing water system in Cabungahan. We will also ask the City government to deliver us water.	Engr. Joanna Rae Evangelista, Citadel
As far as the delivery is going, will you help the people to have water too especially during dry season? Sometimes there is no water at all, so maybe	John Eyerman, Brgy. Manlayag	Actually, we will have our SDMP Social Development Fund, so a part of that maybe set aside for giving water to the people.	Atty. Edward Bauzon, Citadel

Issue/Concern, Interest Raised	Parties Concerned	Resolutions/Agreement	Person Responded to Issue Raised
your truck could donate water to the people.			
I have noted some of the details on the discussion, and I am confused about a certain point particularly in the area to be covered. Why is it that only 102 hectares of 336 hectares coverage will be utilized? Is it for the presentation purpose only? And to think it will take 14 years, why is it that only that portion will be covered knowing that it is only a small portion of the area that you are applying for?	Mario T. Gorre, City Agriculture Office	The area is composed of 336 hectares before applying for the ECC. They already explored the area, in other words, they already do the area drilling and they have geologist to evaluate if the whole 300 plus hectares are consists of the mineable minerals. After evaluating the area, they found out that only 100 plus hectares has the said minerals. It is now the basis for the ECC application. In the mining process, the 102 hectares of the land area is not simultaneous.	Engr. Edwin Ramirez, Permata
How many mango trees, coconut trees, banana trees, and hectares of cornfield will be affected by your operation?	Mario T. Gorre, City Agriculture Office	<p>If ever there are plants that will be affected because of our operation, the payment for that will be on the legal bases or the tariff being implemented by the City. As of now, we only identified the 100 plus hectares. In the operation proper, the Citadel is required to submit a 3-year work program that will include the identification of areas that will be mine. Every 3 years they are going to submit their plans and program to the MGB for evaluation, and the details of how many plants will be affected can be identified now.</p> <p>On that proposed study we already have the plan about how many plants will be affected, you can view it on the report of the EIS module that will be downloaded in the EMB once finalized since are still on the process right now.</p>	Engr. Edwin Ramirez, Permata
Do you have any inventory on possible affected area of the quarry operation?	Mario T. Gorre, City Agriculture Office	The final output will be uploaded on the EIS system of EMB Central Office, you can find there the inventory of the identified flora and fauna that might be affected by the operation.	Atty. Unalee Monares
Does the Citadel have other mining site? Are there any other sites aside from this	Eric P. Echavez II, CHO Danao	As of now sir, we only have the existing quarry operation in Cabungahan and in Sta. Rosa area.	Engr. Joanna Rae

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mining site that you are proposing now?			Evangelista, Citadel
What are the criteria of public hearing? Do we need to go to the site for the public hearing or away from the site?	Eric P. Echavez II, CHO Danao	There is no specific criteria. If there is only one barangay, for example if it is only in Cabungahan, then we will just do it there. But, if it includes more than 1 barangay, then we can hold it on the municipality, on the gymnasium, or in the places that will cater this kind of events as long as it is pre-identified as neutral place.	Atty. Unalee Monares, EMB 7
Is this an enough number of participants to represent the whole communities in a public hearing? Do we need more participants for the public hearing to represent the affected barangays.	Eric P. Echavez II, CHO Danao	We cannot tell that they are the only representative since they are just the person who responded on our invitation. In addition, this is an open invitation and Citadel have gone through the process.	Atty. Unalee Monares, EMB 7
Do you have an EMB monitoring? How often do you conduct an EMB monitoring?	Eric P. Echavez II, CHO Danao	We have monitoring but we are not sure about its frequency.	Atty. Unalee Monares, EMB 7
The monitoring includes barangay officials, how about the representatives from the LGU? Who are those representatives from the LGU? Does the barangay really have a monitoring? I suggest that the City Health will be included in the monitoring for us to have a hint about what's going on the said operation.	Eric P. Echavez II, CHO Danao	In the monitoring, we have the multipartite monitoring (MMT), an independent monitoring team. In fact, it is not included in the scope of responsibilities of the EMB.	Atty. Unalee Monares, EMB 7
		As of now, the EMB has their monitoring but they call it verification. If the ECC is approved, the Citadel will submit a program. This program includes the social development program and the environmental protection and enhancement program. Then, if the EPEP will be approve, they will organize a Mine Rehabilitation Fund Committee which is comprise of many members, multi agencies, LGU, and representatives from the company. This committee includes many members as stipulated on the administrative orders for mines. Then we also have this what we called multipartite monitoring team. The monitoring will take place after the approval and after the approval of the EPEP also. Most of the time, they	Engr. Edwin Ramirez, Permata

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		include the monitoring on the social development project since they already have a commitment. As required by the law, 1.5% of the operating cost will be utilized for the community. The barangay now will identify their projects depending on the needs of the affected barangays. In line with the multipartite monitoring team, their will be members coming from the LGU, its either from the City Health, city office, they have leeway to choose their representatives. EMB is also included since their commitment is scheduled yearly.	
		The LGU will send their representatives, most of the time it's coming from the City Health Office. As part of their ECC commitment, they need to create an MMT, so the multipartite monitoring team must be functional. If the LGU will send representative from the City Health, then it's up to them, but the LGU is really part of the monitoring. You can propose it directly to the management to include the CHO in the MMT because we also have our mandatory members. If the barangay and the LGU wants additional members, they can propose it.	Atty. Unalee Monares, EMB 7
What are your plans and programs to address probable influx of illnesses as population will possibly increase?	Eric P. Echavez II, CHO Danao	As long as we have SDMP, the barangay can propose that part of the 1.5% will be allocated for health program. We can include health aside from livelihood program in the SDMP.	Atty. Unalee Monares, EMB 7
Are these areas already approved or you have alternative site if it's disapproved? Are you still going to mine if this area cannot be use or are you going to transfer to other area?	John Eyerman, Brgy. Manlayag	The deposit in the site is specific, the 102 hectares was identified inside the 4 barangays. So, we can only say that there are other deposit in that barangay after we can explore the area. Right now, we have explored the 4 barangays and it was proven that we have resources in that 4 barangays but not necessarily the whole areas, just the 102 hectares. The study was based on the resources presented to the	Engr. Edwin Ramirez, Permata

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		company. If you're talking about the ECC it is still under the process, that's why we are conducting this public hearing. Also, the application to mine the area is under process.	
<p>If this is the area you decided to settle on, people who are here now is just very small attendees, so are you going to go to the barangays and to have a different meeting in each barangay because I think people here is not enough, the capatain can have a meeting with all the people.</p> <p>If you are not going to tell everybody that you are going to mine the area near his or her house, everybody will be shocked, since the average person does not know about it.</p>	John Eyerman, Brgy. Manlayag	<p>before this public hearing, we also conducted public scoping. We communicated the respective barangays about our plan, the company plan and the area covered by this project. Public scoping was conducted last year and we officially invited more than 60 people all over those places in an open invitation for everybody to attend. We also conducted IEC and Focus Group Discussion last year. ECC is only one of the requirements for the operation or in order to mine the area.</p> <p>Negotiation will happen before we start mining the area, and there is a need to inform the people.</p> <p>For 5 years of Quarry operation in Cabungahan, I don't remember any person or families being relocated. Before we start the mining operation, we will see to it that it will not or the company will see to it first that it will not incur big cost. If resettlement or to relocation will involve a huge amount, of course the company will not push through with that. We will look for another place where the impact is not that that big. For those residence, do not be afraid that you will be relocated once this is approved because the area is very big. We will going to have a negotiation with lot owners if they agree to be relocated and we will pay a certain amount. If the lot owner will not allow us for them to be relocated, then we cannot do anything, because you have your property rights. As far as we are concern, we have our right to do business but you also have your</p>	Engr. Edwin Ramirez, Permata

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		property right, so that should be respected.	
How the company do with the land titles, because the current residence are on their grandfathers name, so the land are mostly now on their heirs.	John Eyerman, Brgy. Manlayag	If it lacks one signature, then we will not proceed, that is the stand of the company. That is how responsible our company is. And, as much as possible, everybody must be heard especially the heirs.	Atty. Edward Bauzon, Citadel
Where are those areas that you already quarried?	John Eyerman, Brgy. Manlayag	This is the only site in Cebu, but we have other corporation, the sister company of Citadel Mining Corporation has Silica Mining Corporation in Negros Oriental. We are mining different materials but more or less same operation.	Atty. Edward Bauzon, Citadel
If you find other materials, can you share it to the community?	John Eyerman, Brgy. Manlayag	We will be very happy if we could find some there.	Atty. Edward Bauzon, Citadel
If ever the operation will be approved, I hope that the time travel of your trucks will not be done during school time for the safety of our students.	Jomar A. Meca, Representative, Guinacot Integrated School	Our time is from 12:00NN-1:00PM, and 4:00PM-5:00PM but sometimes, we do it earlier. We assigned some spotters to inform us if there is an early dismissal to immediately stop the operation. In Guinacot area, you can coordinate directly to us if you have an early dismissal for us to be informed.	Engr. Joanna Rae Evangelista, Citadel
I am hoping that you will not blow your horn in the school zones.	Jomar A. Meca, Representative, Guinacot Integrated School	Blowing of horn on the school zone is prohibited by the law but as a safety precautions, we still need to blow our horn especially if we passed by on the blind spots like in Cabungahan.	Engr. Joanna Rae Evangelista, Citadel
I am also hoping that the drivers will not neglect their responsibilities.	Jomar A. Meca, Representative, Guinacot Integrated School	We have our toolbox meeting before we start our operation. We reminded them about the rules and regulations. Our line and our personnel are open for any concerns, but for those immediate concerns, you can forward it directly to my office.	Engr. Joanna Rae Evangelista, Citadel
Some of our school equipment becomes malfunction due to dust. How are you going to address that problem?	Jomar A. Meca, Representative, Guinacot Integrated School	We actually have 3 water trucks here in Cabungahan. As much as possible, we want to do it every day, but we still need to fetch water from the source. We always see to it that we can do it every day, especially on dusty areas.	Engr. Joanna Rae Evangelista, Citadel

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		We already take note all your concerns and you can go directly to Miss Jana, since she is the overall in-charge of the operation.	Atty. Unalee Monares, EMB 7
When I was elected as Barangay Captain, we looked for the agreement from the previous officials. We invited Citadel to sit down during one of our sessions. We asked for the terms and conditions from the Citadel Mining and we have done our part as barangay officials. We make sure that mining site is okay and not bias. We are hoping that the Company will be mindful about their responsibilities. What will you do after the negotiations?	Darlene Mae K. Batican, Brgy. Captain - Cabungahan	We need to rehabilitate the damage roads. But the Citadel Mining Corporation is a private company, so we can't automatically do the construction and repair of the damage roads, we still need to coordinate with the government. If the government will say that we are liable of the construction and repair, then we will do the corresponding action. If the City Government will say that they need the maintenance then that's not a problem. We can allocate some portion of 1.5% fund for road maintenance and repair with proper coordination of the City government and consultation of course of the barangay officials.	Atty. Edward Bauzon, Citadel
Do you have any siltation pond to address the siltation issue? Are we allowed to see it?	Mario T. Gorre, City Agriculture Office	It is the government's requirement to have at least 2-3 siltation pond. We have our own siltation pond but there are times that it is not visible. But we always see to it that we can return it back to its normal phase. It is located at our quarry site. You can visit anytime but you need to tell us ahead so that we can accommodate you since we also have our safety measures to follow to avoid any accident. The provincial government always keep track of our records, files, and pictures. They conducted regular monitoring, and responsible mining is part of the code and ethics of the company.	Engr. Joanna Rae Evangelista, Citadel
When are you going to start that 10-year operation?	Eric P. Echavez II, CHO Danao	Once the operation will be approved. But we already have our quarry operation there, it will be converted to a large scale once approved. Our quarry operation there is just a small scale.	Atty. Edward Bauzon, Citadel

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On your mining operation now, do you have any program related to health? Do you have existing program? Can we take a look at it?	Eric P. Echavez II, CHO Danao	Let's check it on the office, to sort things out.	Atty. Edward Bauzon, Citadel
We, the ordinary person (tenants) has nothing to do with it, since lot owners already give permission and agree with Citadel to mine their area. Our own complaints is just useless. I am just hoping that the Citadel will still accommodate and will not forget us especially about the basketball court and the chapel, which is our primary concern. The only thing that bothers me is that the lot owner already agreed and we have nothing to do with that.	Yolanda G. Batucan, President of Women's Association	Actually, you can, you can go to your Mayor, for them to caught the attention of the operation since we will have the ECC conditions. The agency who will issue the ECC has the power to cancel it. In terms of the basketball court and the chapel, we cannot transfer it if you will not allow us to do so.	Atty. Edward Bauzon, Citadel
How many personnel and staff does the Citadel have?	Eric P. Echavez II, CHO Danao	Under the Citadel, we have 3 regular personnel and 30 from our contractor. We also have barangay spotters. We have few personnel right now since we are still dealing with small-scale mining.	Engr. Joanna Rae Evangelista, Citadel
Are all of your personnel coming from Danao?	Eric P. Echavez II, CHO Danao	We hired experts for the job that requires skills and expertise. We hired those people that are really fit for the position. We also have operators coming from Danao, but they also have their qualifications like NC II and health card.	Engr. Joanna Rae Evangelista, Citadel
Do you have your own hospital?	Eric P. Echavez II, CHO Danao	We are just tapping some hospitals, and nurses. We don't have our own on-site hospital for the existing small-scale quarry operation.	Engr. Joanna Rae Evangelista, Citadel
When are you going to start your operation?	John Eyerma, Brgy. Manlayag	It all depends on the approval of the ECC, which will be endorsed to the secretary of the DENR for the final approval, so there is no definite date, unless they will approve it. As far as the company concern, we will be	Engr. Joanna Rae Evangelista, Citadel

Issue/Concern, Interest Raised	Parties Concerned	Resolutions/Agreement	Person Responded to Issue Raised
		<p>happy to, it all depends on the government, and the earlier the better. We still need the approval of the government.</p> <p>We still have more things to be done, we need to prepare some of our equipment and secure necessary documents or permits. It will maybe take 6 months after approval of this project.</p>	Atty. Edward Bauzon, Citadel
Do we have the right to discipline those abusive spotters? We are humiliated since we are just renters or tenants.	Pilar B. Remo, Brgy. Secretary of Guinacot	You have all the right since you are the one who have the direct contacts with them. You can also provide us with their personal backgrounds. There are instances that we fired some spotters despite the fact that they are sons/daughters of the lot owner. As long as they do not do their job correctly, we can fire them.	Engr. Joanna Rae Evangelista, Citadel

Stakeholders and Key Players Who Most Actively Participated, Quiet, or those Who Were Not Present

Name of Invitees	Actively Participated	Quite	Not Present
City Government of Danao			
Hon. Ramon "Nito" Durano III			√
Hon. Thomas Mark "Mix" Durano			√
Arch. Rodel Ramas			√
Eric P. Echavez II, MD	√		
Mario T. Gorre	√		
Jesusa M. Delgado			√
Engr. Rosette B. Villaflor			√
Dinah C. Biatingo		√	
Leo Enriquez		√	
Barangay Cabungahan			

Name of Invitees	Actively Participated	Quite	Not Present
Regelio Monte		√	
Jopon Mata		√	
Darlene Mae K. Batican	√		
Jenny Rose O. Montanez		√	
Alfonso P. Batucan		√	
Al Albalde		√	
Christine T. Blanza		√	
Yolanda G. Batucan	√		
Roselito M. Capul		√	
Grace Batucan		√	
William Olivar		√	
Vinancio Batucan		√	
Reynaldo Monte		√	
Virginia Diaz	√		
Emerita B. Nano		√	
Eduardo O. Pataen		√	
Barangay Guinacot			
Robert Generoso		√	
Sabina M. Bariga		√	
Jomar A. Meca		√	
Eric T. Perez		√	
Pilar B. Remo		√	
Flora J. Cogal		√	
Susana H. Enriquez		√	
Rotewel Hermosilla		√	
Barangay Manlayag			
Roger J. Olivar	√		
John Kerry C. Calo		√	
Gemma C. Calo		√	

Name of Invitees	Actively Participated	Quite	Not Present
Lorgiena C. Tundag		√	
Judilyn C. Arenes		√	
Maileen Laum		√	
Leonides B. Arenas		√	
Charlin delos Santos		√	
Ma. Lenie Egaman		√	
John Eyerman	√		
Helen T. Mansuerto		√	
Ailene Roberts		√	
Laarni A. Juntilla		√	
Barangay Sta. Rosa			
Leo Jesus G. Dagaton		√	
Felimon B. Bariga Jr.		√	
Mercedes L. Castillo		√	
Jaya Mae R. Cañas		√	
Rebeca C. Bariga		√	
Irenea L. Bitoon		√	
Leonita O. Mata		√	
Elvira L. Hermoso		√	
Mary Ann L. Jore		√	

Annexes

Annex A

Received Invitation Letters



Republic of the Philippines
Department of Environment and Natural Resources
ENVIRONMENTAL MANAGEMENT BUREAU
DENR Compound, Visayas Avenue, Diliman Quezon City 1116
Telephone Nos.: (032) 927-1517, 928-2725; Fax No.: (032) 920-2256
Website: <http://www.emb.gov.ph>

06 January 2020

Mr. Ramon Durano III
Mayor
Office of the Mayor – Danao City
Danao City Hall, F. Ralota Street,
Poblacion, 6004, Danao City, Cebu

Dear Mr. Durano:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project of the Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM (registration starts at 8:36 AM)** and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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(032) 260 9777
- 2) **City Planning and Development Officer**
Danao City Hall, F. Ralota Street, Poblacion, 6004, Danao City, Cebu
(+63 32) 411 0100 loc 1511, 1512, 2301

For more details, please contact the Environmental Impact Assessment and Management Division (EIAMD) of this Office at Tel. Nos. (02) 920-2240 to 41 and look for the project case handlers **Engr. Carlo Vic Arida, EnP** or **Engr. George Silvederio**.

Sincerely yours,


ENGR. WILLIAM P. CUÑADO
OIC - Director



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ENVIRONMENTAL MANAGEMENT BUREAU
DENR Compound, Visayas Avenue, Diliman Quezon City 1116
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Website: <http://www.emb.gov.ph>

06 January 2020

Mr. Rodel Ramos
City Planning and Development Officer
Danao City Hall, F. Ralota Street,
Poblacion, 6004, Danao City, Cebu

Dear **Mr. Ramos**:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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Sincerely yours,


ENGR. WILLDAMP P. CUÑADO
OIC - Director



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06 January 2020

Mr. Thomas Mark Durano
Vice Mayor
Office of the Vice Mayor – Danao City
Danao City Hall, F. Ralota Street,
Poblacion, 6004, Danao City, Cebu

Dear **Mr. Durano**:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday)** at **9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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Sincerely yours,


ENGR. WILLIAM P. CUÑADO
OIC - Director



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06 January 2020

Mr. Eric P. Echavez II, MD
City Health Officer
City Health Office, Danao City, Cebu

Dear **Mr. Echavez:**

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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Sincerely yours,


ENGR. WILLIAM P. CUÑADO
OIC - Director

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Website: <http://www.emb.gov.ph>

06 January 2020

Mr. Edwin Gonzales
Agriculturist
Brgy. Sta. Rosa, Danao City, Cebu

Dear **Mr. Gonzales**:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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Sincerely yours,


ENGR. WILLIAM P. CUÑADO
OIC - Director

Department of Environment and
Natural Resources
ENVIRONMENTAL MANAGEMENT BUREAU
Office of the Director

Letter 2020



20.01.06*17:46:16*000004

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DANAO MINING PROJECT
Public Hearing Report



Republic of the Philippines
Department of Environment and Natural Resources
ENVIRONMENTAL MANAGEMENT BUREAU
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06 January 2020

Ms. Mary Ann Joray
Community
Brgy. Sta. Rosa, Danao City, Cebu

Dear **Ms. Joray**:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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Sincerely yours,


ENGR. WILLIAM P. CUÑADO
OIC - Director

Department of Environment and
Natural Resources
ENVIRONMENTAL MANAGEMENT BUREAU
Office of the Director

Letter 2020



20.01.06*17:46:27*000003

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Website: <http://www.emb.gov.ph>

06 January 2020

Ms. Rosalie Alpoha
Principal, Integrated School of Sta. Rosa
Brgy. Sta. Rosa, Danao City, Cebu

Dear **Ms. Alpoha**:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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Sincerely yours,


ENGR. WILLIAM P. CUÑADO
OIC - Director

Department of Environment and
Natural Resources
ENVIRONMENTAL MANAGEMENT BUREAU
Office of the Director

Letter 2020

20.01.06*17:46:38*000005

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DANAO MINING PROJECT
Public Hearing Report



Republic of the Philippines
Department of Environment and Natural Resources
ENVIRONMENTAL MANAGEMENT BUREAU
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Website: <http://www.emb.gov.ph>

06 January 2020

Ms. Rebeca Barriga
Senior Citizen
Brgy. Sta. Rosa, Danao City, Cebu

Dear Ms. Barriga:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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Sincerely yours,


ENGR. WILLIAM P. CUÑADO
OIC - Director

Department of Environment and
Natural Resources
ENVIRONMENTAL MANAGEMENT BUREAU
Office of the Director

Letter 2020

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Website: <http://www.emb.gov.ph>

06 January 2020

Ms. Marivic Togonon
President, Catholic Religious Organization
Brgy. Sta. Rosa, Danao City, Cebu

Dear Ms. Togonon:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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Sincerely yours,


ENGR. WILLIAM P. CUÑADO
OIC - Director

Department of Environment and
Natural Resources
ENVIRONMENTAL MANAGEMENT BUREAU
Office of the Director

Letter 2020



20.01.06*17:46:41*000007

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Website: <http://www.emb.gov.ph>

06 January 2020

Ms. Jaya Cañas
SK Chairperson
Brgy. Sta. Rosa, Danao City, Cebu

Dear **Ms. Cañas**:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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Sincerely yours,


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OIC - Director

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Natural Resources
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Letter 2020



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Telephone Nos.: (632) 927-1517, 928-3725; Fax No.: (632) 920-2258
Website: <http://www.emb.gov.ph>

06 January 2020

Ms. Mercedes Castillo
Barangay Health Worker
Brgy. Sta. Rosa, Danao City, Cebu

Dear **Ms. Castillo**:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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(+63 32) 411 0100 loc 1511, 1512, 2301

For more details, please contact the Environmental Impact Assessment and Management Division (EIAMD) of this Office at Tel. Nos. (02) 920-2240 to 41 and look for the project case handlers **Engr. Carlo Vic Arida, EnP** or **Engr. George Silvederio**.

Sincerely yours,


ENGR. WILLIAM P. CUÑADO
OIC - Director

Department of Environment and
Natural Resources
ENVIRONMENTAL MANAGEMENT BUREAU
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Letter 2020



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DANAO MINING PROJECT
Public Hearing Report



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06 January 2020

Mr. Marlo Barriga
Kagawad
Brgy. Sta. Rosa, Danao City, Cebu

Dear **Mr. Barriga**:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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Sincerely yours,


ENGR. WILLIAM P. CUÑADO
OIC - Director

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06 January 2020

Mr. Felimon B. Barriga
Kagawad
Brgy. Sta. Rosa, Danao City, Cebu

Dear **Mr. Barriga**:

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Sincerely yours,


ENGR. WILLIAM P. CUÑADO
OIC - Director

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06 January 2020

Ms. Elvira Hermoso
Treasurer
Brgy. Sta. Rosa, Danao City, Cebu

Dear **Ms. Hermoso**:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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Sincerely yours,


ENGR. WILLIAM P. CUÑADO
OIC - Director

Department of Environment and
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Website: <http://www.emb.gov.ph>

06 January 2020

Ms. Leonita O. Mata
Punong Barangay
Brgy. Sta. Rosa, Danao City, Cebu

Dear **Ms. Mata**:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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Sincerely yours,


ENGR. WILLIAM P. CUÑADO
OIC - Director

Department of Environment and
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Public Hearing Report



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06 January 2020

Ms. Gemma C. Calo
Representative, Community
Brgy. Manlayag, Manlayag City, Cebu

Dear **Ms. Calo**:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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Sincerely yours,


ENGR. WILLIAM P. CUÑADO
OIC - Director

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06 January 2020

Ms. Cheryll B. Launel
Brgy. Treasures
Brgy. Manlayag, Manlayag City, Cebu

Dear **Ms. Launel**:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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Sincerely yours,


ENGR. WILLIAM P. CUÑADO
OIC - Director

Department of Environment and
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DANAO MINING PROJECT
Public Hearing Report



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06 January 2020

Ms. Charlene de los Santos
Representative, Women's Association
Brgy. Manlayag, Manlayag City, Cebu

Dear Ms. Santos:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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Sincerely yours,


ENGR. WILLIAM P. CUÑADO
OIC - Director

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06 January 2020

Mr. Leonides B. Arenas
Representative, Senior Citizen/Kagawad
Brgy. Manlayag, Manlayag City, Cebu

Dear **Ms. Arenas**:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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Sincerely yours,


ENGR. WILLIAM P. CUÑADO
OIC - Director

Department of Environment and
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06 January 2020

Mr. Bensio Caputolan
Religious Leader
Brgy. Manlayag, Manlayag City, Cebu

Dear **Ms. Caputolan**:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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Sincerely yours,


ENGR. WILLIAM P. CUÑADO
OIC - Director

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06 January 2020

Ms. Lourgena Tundag
School Principal
Manlayag Integrated School
Brgy. Manlayag, Manlayag City, Cebu

Dear **Ms. Tundag**:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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Sincerely yours,


ENGR. WILLIAM P. CUÑADO
OIC - Director

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06 January 2020

Ms. Jean Dawe
School Principal
Manlayag Integrated School
Brgy. Manlayag, Manlayag City, Cebu

Dear **Ms. Dawe**:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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(+63 32) 411 0100 loc 1511, 1512, 2301

For more details, please contact the Environmental Impact Assessment and Management Division (EIAMD) of this Office at Tel. Nos. (02) 920-2240 to 41 and look for the project case handlers **Engr. Carlo Vic Arida, EnP** or **Engr. George Silvederio**.

Sincerely yours,


ENGR. WILLIAM P. CUÑADO
OIC - Director

Department of Environment and
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Website: <http://www.emb.gov.ph>

06 January 2020

Ms. Judilyn Arenas
Barangay Kagawad
Brgy. Manlayag, Manlayag City, Cebu

Dear **Ms. Arenas**:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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Sincerely yours,


ENGR. WILLIAM P. CUÑADO
OIC - Director

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Website: <http://www.emb.gov.ph>

06 January 2020

Ms. Helen Mansueto
Barangay Nutrition Scholars (BNS)
Brgy. Manlayag, Manlayag City, Cebu

Dear **Ms. Mansueto**:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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Sincerely yours,


ENGR. WILLIAM P. CUÑADO
OIC - Director

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Public Hearing Report



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06 January 2020

Mr. John Kerie Calo
SK Chairman
Brgy. Manlayag, Manlayag City, Cebu

Dear **Mr. Calo**:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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Sincerely yours,


ENGR. WILLIAM P. CUÑADO
OIC - Director

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Website: <http://www.emb.gov.ph>

06 January 2020

Mr. Dicasio A. Caputolan
Barangay Kagawad
Brgy. Manlayag, Manlayag City, Cebu

Dear **Ms. Caputolan**:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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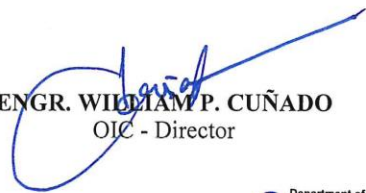
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Sincerely yours,


ENGR. WILLIAM P. CUÑADO
OIC - Director

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DANAO MINING PROJECT
Public Hearing Report



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06 January 2020

Mr. Roger J. Olivar
Punong Barangay
Brgy. Manlayag, Manlayag City, Cebu

Dear **Mr. Olivar**:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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Sincerely yours,


ENGR. WILLIAM P. CUÑADO
OIC - Director

Department of Environment and
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06 January 2020

Ms. Flora Cojal
Midwife
Brgy. Guinacot, Danao City, Cebu

Dear **Ms. Cojal**:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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Sincerely yours,


ENGR. WILLIAM P. CUÑADO
OIC - Director

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Public Hearing Report



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06 January 2020

Ms. Maria Lucea Labador
School Principal
Guinacot Integrated School
Brgy. Guinacot, Danao City, Cebu

Dear **Ms. Labador**:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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Sincerely yours,


ENGR. WILLIAM P. CUÑADO
OIC - Director

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06 January 2020

Ms. Arlene B. Valeroso
Kagawad
Brgy. Guinacot, Danao City, Cebu

Dear **Ms. Valeroso**:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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Sincerely yours,


ENGR. WILLIAM P. CUÑADO
OIC - Director

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06 January 2020

Mr. Robert Generoso
Representative, Senior Citizen
Brgy. Guinacot, Danao City, Cebu

Dear **Ms. Generoso**:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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Sincerely yours,


ENGR. WILLIAM P. CUÑADO
OIC - Director

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06 January 2020

Ms. Susana H. Enriquez
Kagawad / Representative of Women's Association
Brgy. Guinacot, Danao City, Cebu

Dear Ms. Enriquez:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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Sincerely yours,


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OIC - Director

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06 January 2020

Ms. Ruchelle Hermosilla
Chief Tanod
Brgy. Guinacot, Danao City, Cebu

Dear **Ms. Hermosilla**:

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Sincerely yours,


ENGR. WILLIAM P. CUÑADO
OIC - Director

Department of Environment and
Natural Resources
ENVIRONMENTAL MANAGEMENT BUREAU
Office of the Director

Letter 2020



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06 January 2020

Ms. Sabina M. Barriga

Barangay Health Workers (BHW) and Barangay Nutrition Scholars (BNS)
Brgy. Guinacot, Danao City, Cebu

Dear **Ms. Barriga**:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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OIC - Director

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06 January 2020

Ms. Pilar B. Remo
Barangay Secretary
Brgy. Guinacot, Danao City, Cebu

Dear **Ms. Remo**:

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06 January 2020

Ms. Thom Rhine B. Remo
Barangay Kagawad
Brgy. Guinacot, Danao City, Cebu

Dear Ms. Remo:

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Public Hearing Report



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06 January 2020

Mr. Eric T. Perez
Punong Barangay
Brgy. Guinacot, Danao City, Cebu

Dear Mr. Perez:

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Sincerely yours,


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OIC - Director

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06 January 2020

Ms. Virginia Diaz
Barangay Secretary
Brgy. Cabungahan, Danao City, Cebu

Dear **Ms. Diaz**:

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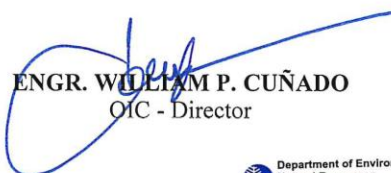
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06 January 2020

Ms. Jenny Rose Montañez
Focal Person, BADAC
Brgy. Cabungahan, Danao City, Cebu

Dear **Ms. Montañez**:

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06 January 2020

Ms. Ellen P. Batucan
SK Chairman
Brgy. Cabungahan, Danao City, Cebu

Dear **Ms. Batucan**:

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06 January 2020

Mr. Venancio P. Batucan
Brgy. Tanod/SC Representative
Brgy. Cabungahan, Danao City, Cebu

Dear **Mr. Batucan**:

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06 January 2020

Ms. Emerita B. Nano
Brgy. Treasurer
Brgy. Cabungahan, Danao City, Cebu

Dear Ms. Nano:

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06 January 2020

Mr. Manjo Tobala
School Principal
Cabungahan National High School
Brgy. Cabungahan, Danao City, Cebu

Dear **Mr. Tobala**:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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06 January 2020

Mr. Roel Capin
School Principal
Cabungahan Elementary School
Brgy. Cabungahan, Danao City, Cebu

Dear **Mr. Capin**:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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ENVIRONMENTAL MANAGEMENT BUREAU
Office of the Director

Letter 2020



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DANAO MINING PROJECT
Public Hearing Report



Republic of the Philippines
Department of Environment and Natural Resources
ENVIRONMENTAL MANAGEMENT BUREAU
DENR Compound, Visayas Avenue, Diliman Quezon City 1116
Telephone Nos.: (632) 927-1517, 928-3725; Fax No.: (632) 920-2258
Website: <http://www.emb.gov.ph>

06 January 2020

Ms. Grace Batocan
Purok Leader, Purok 10
Brgy. Cabungahan, Danao City, Cebu

Dear **Ms. Batocan**:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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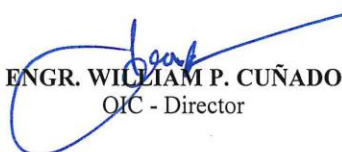
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- 2) **City Planning and Development Officer**
Danao City Hall, F. Ralota Street, Poblacion, 6004, Danao City, Cebu
(+63 32) 411 0100 loc 1511, 1512, 2301

For more details, please contact the Environmental Impact Assessment and Management Division (EIAMD) of this Office at Tel. Nos. (02) 920-2240 to 41 and look for the project case handlers **Engr. Carlo Vic Arida, EnP** or **Engr. George Silvederio**.

Sincerely yours,


ENGR. WILLIAM P. CUÑADO
OIC - Director



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Public Hearing Report



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06 January 2020

Mr. William Olivar
Purok Leader, Purok 9
Brgy. Cabungahan, Danao City, Cebu

Dear Mr. Olivar:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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Sincerely yours,


ENGR. WILLIAM P. CUÑADO
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Letter 2020



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06 January 2020

Mr. Reynaldo Montes
Purok Leader, Purok 8
Brgy. Cabungahan, Danao City, Cebu

Dear **Mr. Montes**:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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Sincerely yours,


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OIC - Director



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06 January 2020

Mr. Lito Capul
Purok Leader, Purok 7
Brgy. Cabungahan, Danao City, Cebu

Dear **Mr. Capul**:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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OIC - Director



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06 January 2020

Ms. Darline Mae R. Batican
Punong Barangay
Brgy. Cabungahan, Danao City, Cebu

Dear **Ms. Batican**:

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Sincerely yours,


ENGR. WILLIAM P. CUÑADO
OIC - Director



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06 January 2020

Ms. Rosette B. Villaflor
City Engineering Office
OIC, City Engineer, Danao City, Cebu

Dear **Ms. Villaflor**:

We are pleased to invite you to attend the **Public Hearing** of the proposed **Danao Pozzolan Mining Project** of the **Citadel Mining Corporation**. The said hearing is scheduled on **17 January 2020 (Friday) at 9:00 AM** (*registration starts at 8:30 AM*) and will be held in the **Danao Coco Palms Resort, Km 31, North National Highway, Brgy. Sabang, Danao City, Cebu**.

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OIC - Director



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Public Hearing Report



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06 January 2020

Ms. Jesusa M. Delgado
OIC, CSWD
CSWD Office, Danao City, Cebu

Dear **Ms. Delgado**:

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OIC - Director



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06 January 2020

Mr. Mario T. Gorre
City Agriculturist
City Agriculturist Office, Danao City, Cebu

Dear **Mr. Gorre**:

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ENGR. WILLIAM P. CUÑADO
OIC - Director

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Letra, OIC - Director



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Annex B

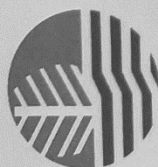
Attendance of Stakeholders and General Public



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Website: <http://www.emb.gov.ph> / Email: mail@emb.gov.ph

No.	NAME	Gender		Contact Details	Sector/Address/Barangay	Signature
		M	F			
11	Raelin Mute	M			Pescadero - Cabungahan	
12	John Muta	M		0945691757	KAGAWAD	
13	DARLING MAE K. BANCAN	I	F	0945691757	PUGON BAHAY CAGANUPAN	
14	JENNY ROSE O. MANTINEZ		F	0945691757	STAC FOCAL	
15	Alfonso P. Batucan Jr.	M		0945691757	Kagawad	
16	Al. Francisco	M		0945691757	Kagawad	
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**PUBLIC HEARING
PROPOSED DANAO MINING PROJECT
ATTENDANCE SHEET**

Venue: Danao Coco Palms Resort, Km 31, North National Highway
Brgy. Sabang, Danao City, Cebu
Date: January 17, 2020
Time: 9:00am

No.	NAME	Gender		Contact Details	Sector/Address/Barangay	Signature
		M	F			
1	ROGER J. OLIVERA	✓		09215141272	MANLAYAG / Brgy. Captain	
2	CARO JOHN KERRY C.	✓		09233800040	MANLAYAG Purok 1	
3	Gemma C. Calo		✓		Manlayag Purok 1	
4	Lorgiana C. Tundag		✓	09232540086	Manlayag Purok - 1st Pres.	
5	Judylin C. Arenas			0946 23 9142	Brgy. Kagawad	
6	Maiten Laun	✓		0943488415	Gerardo Xpil I/S	
7	Leonides B. Arenas			09215637901	Brgy. Kagawad	
8	CHARLIN ARENAS SANTOS			0972271377	W. Karen Purok	
9	Egman, Ma. Lemie			0925 752611	Manlayag Purok 2	
10	Eyerman John			" "	" "	

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		M	F			
1	ROBERT GENEPOS	✓			SCHOOL CHAIRMAN	<i>[Signature]</i>
2	SHARINA M. RAMANUA		✓	09263281914	Purok Sinangan - BNS	<i>[Signature]</i>
3	JOHAR A. NEDA	✓		09396161538	GUINACOT INTEGRATED SCHOOL	<i>[Signature]</i>
4	ERIC T. PEREZ	✓		09207057651	GUINACOT (PUNONG BAYANGAY)	<i>[Signature]</i>
5	PIVAR B. REMO		✓	09203853392	GUINACOT (BLK. SEC.)	<i>[Signature]</i>
6	FLORA J. COGAL		✓	09422482129	Guinacot (MIDWIFE)	<i>[Signature]</i>
7	Susana H. Enrriquez			09323464970	Guinacot - Brgy. Official	<i>[Signature]</i>
8	Rotche Hermonilla	✓		09420457244	Guinacot - Hepe Tanned	<i>[Signature]</i>
9						
10						

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		M	F			
1	VED JESUS G. DELA CRUZ	/		0999202337	Sta. Rosa Integrated School	<i>[Signature]</i>
2	Felimon B. Barinaga	-			Sta. Rosa D.C.	<i>[Signature]</i>
3	Mercedes L. Cosh 110		/	09067906936	STA. ROSA DANAO CITY	<i>[Signature]</i>
4	Cañas, Jaya Mau R.		/	09424543166	STA. ROSA DANAO CITY (SKCHAMPASS)	<i>[Signature]</i>
5	Barinaga, Felimon B.		/		Sta. Senior Citizen	<i>[Signature]</i>
6	Trinidad C. Biton		/		Sta. Rosa Brgy. Secondary	<i>[Signature]</i>
7	Leonita O. Mata		-		Sta. Rosa Punong Barangay	<i>[Signature]</i>
8	Alvin A. Hernandez		-		Sta. Rosa Brgy. Tinasan	<i>[Signature]</i>
9	May Ann L. Jore				Sta. Rosa Comm. Purke 3	<i>[Signature]</i>
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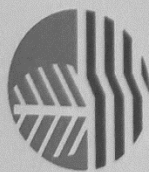
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No.	NAME	Gender		Contact Details	Sector/Address/Barangay	Signature
		M	F			
11	Helen T. Manzaneta		✓		BNS Mananagay	<i>Helen T. Manzaneta</i>
12	Arlene Roberts		✓		BNS Mananagay	<i>Arlene Roberts</i>
13	Loraine S. Juntilla		✓		Brgy Kagawade	<i>Loraine S. Juntilla</i>
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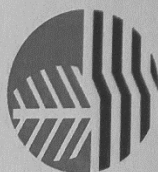
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**PUBLIC HEARING
PROPOSED DANAO MINING PROJECT
ATTENDANCE SHEET**

Venue: Danao Coco Palms Resort, Km 31, North National Highway
Brgy. Sabang, Danao City, Cebu
Date: January 17, 2020
Time: 9:00am

No.	NAME	Gender		Contact Details	Sector/Address/Barangay	Signature
		M	F			
1	JESUS A. JAVIER	✓		8-9-2329	ELIARCON / FMB - DOK	
2	EVANGELISTA, JOANNA		✓	09171518600	CITADEL	
3	Wilfredo B. Sanidad	✓		09499253401	PERMATA	
4	Elsu Cezar		✓	09175922059	ELARC	
5	Danny P. Borches	✓		09165007957	ELARC-UP	
6	Rako G. de los Ruyes, Jr.	✓		094661795022	ELARC	
7	EDWIN D. PAM-INTEN	✓		09175259192	PERMATA	
8	Silverio V. Magallon Jr.	✓		0948982672	PERMATA	
9	JESUS M. ADORABLE	✓		09178864928	PERMATA	
10	PAGALILAWAN, JAN FRANCIS	✓		09989720716	PERMATA	

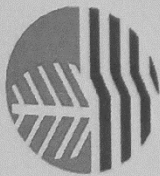
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Department of Environment and Natural Resources
ENVIRONMENTAL MANAGEMENT BUREAU
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11	OSKAR D. GARCIA	✓		09217306027	ELANE - MUA	
12	RAUL R. BUÑAO	✓		09193543906	PERMATA	
13	GERGE SILVEDEÑO				EMB - CO	
14	Kyeth M. Bontia	✓		200-977	EMB 7	
15	UNATOS / UNATOS				EMB 7	
16	Edward Bawum	✓		9125004	Citadel	
17	Michael G. Perfecto	✓		09238065313	Citadel	
18	Michael G. Perfecto	✓		09173116400	EMB 7	
19						
20						

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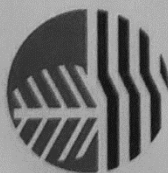
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		M	F			
1	MARIO T. GORRE	✓			Agriculture	
2	NESTOR CASTRO	✓			clo EMB - DENR	
3	TERESA CASTRO	✓			CHD	
4	Dinah C. Bialano		✓	- 266-2916	CENRO	
5	Geo Enriquez	✓			CENRO	
6						
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8						
9						
10						

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		M	F			
1	CHRISTINE T. BLANCA		✓	09456010821	CARUNGATAN ELEMENTARY SCHOOL	
2	Yolanda G. Batucan		✓	09471966773	Cabangbayan Women's Association	
3	ROSELYN N. CAPUL			09094717110	Purok 7	
4	Bethcan, Grace		✓	09422522227	Purok 10 / BLCU - Purok leader	
5	William, Oliver	✓		09422264746	Purok 9 / Purok leader	
6	Vincent Batucan	-			Purok 5 / Brgy. Tanod	
7	Raymundo Morito	✓			Purok 8 / Purok leader	
8	Virginia Diaz		F	0940401-0091	Brgy. Newfay	
9	Enrile B. Naro		F	0912-482-1960	Brgy. Tancunan	
10	Edwato D. Pafan	M			Brgy. Paganan	

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Annex C

Presentation Materials



DANAO MINING PROJECT

Citadel mining corporation

Briefing and Orientation on the Purpose of the Public Hearing

A. General Considerations

- Public Hearing is a **formal process** that is initiated, planned and conducted by the DENR **to promote dialogue or communication between and among the project proponent**, the DENR and the public for the purpose of exchanging information and views. It provides a forum for the proponent and the DENR to understand community values or needs and appropriately respond to them. It serves as a venue to test alternative options for resolution of issues or conflicts.
- It should be noted that the Public Hearing is not the appropriate venue to ensure that the findings of the EIA study had been communicated to the stakeholders.

B. Pre-Public Hearing

- In coordination with DENR, the proponent at its own expense shall cause the publication of a notice of public hearing once a week for two (2) consecutive weeks in any newspaper of general circulation with the second publication undertaken at least 15 days prior to the scheduled hearing.
- The DENR shall conduct the public hearing with the assistance of the proponent and preparer.
- Public hearings shall be open, without the need for a formal invitation, to all interested groups
- Provision of EIA Report copies to the public (1 copy of EIA Report to EMB, host Municipality, Executive summary for barangays, offices/libraries)
- Selection of a Public Hearing Venue - venue must be neutral, i.e., it is not identified or associated with a party.
- EMB Director of DENR-RD shall designate Hearing Officer.

Briefing and Orientation on the Purpose of the Public

C. Public Hearing Proper

- **Matters to discuss in Public Hearing**
 - the proponent, especially their responsibilities to the community;
 - the project, including its elements or components, its implementation and related development;
 - the elements and features of the environment likely to be affected by the project;
 - the impact, as identified and assessed;
 - the option, as studied and evaluated;
 - monitoring, follow-up, enhancement, and mitigating measures;
 - negotiated settlements or compensations
 - assurances and guarantees for compliance to the environmental management plan
- **Summarize issues/concerns/impacts raised by the public and response of the proponent. All the issues and concerns raised and discussed should be synthesized by the Hearing Officer and presented to the public for validation**

Briefing and Orientation on the Purpose of the Public

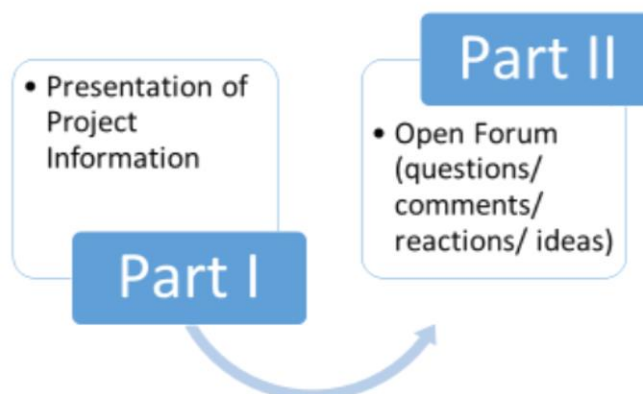
D. Post Public Hearing

- **Proper documentation of public hearing. Report shall be submitted by proponent within 5 working days to EIARC copy furnished the hearing officer.**
- **Public Hearing Report by Public Hearing Officer: The Public Hearing Officer shall submit a Public Hearing Report within ten (10) working days to the EIARC.**

Rules on the Conduct of Public Hearing

- i) comments should be based on correct and updated information
- ii) discussions should be directly relevant to the issue at hand
- iii) comments should be made on behalf of public interest not personal interest
- iv) proper decorum (ex. no cat calls, no booing)

Parts of Public Hearing

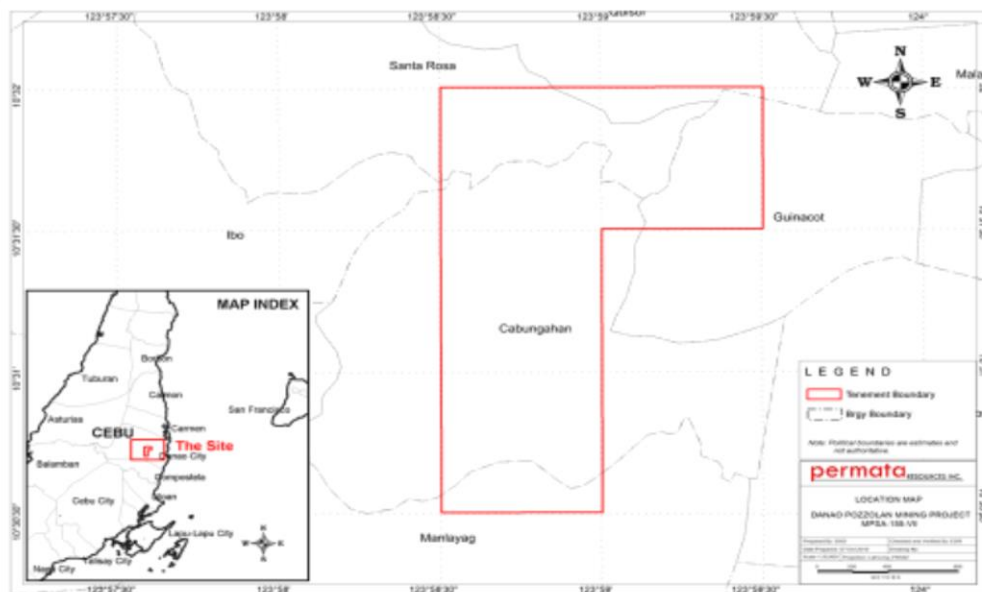


Part 1: Project Information & EIS

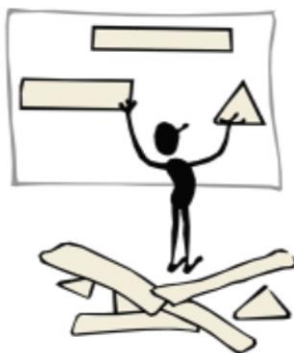
Basic Information

Project Name	:	Danao Mining Project
Project Proponent	:	Citadel Mining Corporation (subsidiary of Blu Quartz Holdings, Inc)
Nature of Project	:	Major Quarrying Project
Proposed Extraction Rate	:	350,000 MTPY
Commodity	:	Pozzolan
Location of Quarry and Facilities	:	Barangays Cabungahan, Manlayag, Sta. Rosa and Guinacot, Danao City, Cebu
Permit	:	MPSA No. 155-2000-VII
Total Project Area	:	102.1 hectares out of the total 336.3782 hectares covered by the MPSA
Mine Life	:	10 Years
Mining Method	:	Surface Mining – Quarrying
Project components	:	<p>Quarry (includes haul and access roads, mobile crusher, stockpile and dumps)</p> <p>Support facilities (includes office buildings, housing facilities and bunk houses, security outposts and facilities, motorpool, nursery area)</p> <p>Pollution control facilities (includes sedimentation ponds/settling ponds, pit drainage)</p>

Project Location



Project Rationale



- The Philippines has the **greatest number of proven deposits of metallic and non-metallic minerals** among Southeast Asian countries
- The Philippines to have **high mining potential** in the Asia Pacific Region; that even with the onset of global financial crisis, **investor interest** in the domestic mining industry has not declined.
- **Strong demand for minerals like pozzolan**, a major raw material for **cement** - a major component in the establishment of concrete structures/products pertinent to industrialization and continuous quest for development.
- Project is foreseen to aid in providing the necessary raw material to support the **growth of the cement industry and, by extension, the increasing cement demand**
- **"Build-Build-Build Program** of Duterte Administration
- Provide **revenues** generated from **taxes and fees**
- Provide **additional jobs to the communities and promote the emergence of other income-generating activities** relative to the economic activity produced by the Project

Project Alternatives



- No other mining areas were considered
 - **Mining projects are site specific** because mineral extraction can only be undertaken **where economic deposits occur**
 - Mining activities can only be conducted **within the approved MPSA area**
- Other mining methods are not feasible for the extraction of pozzolan deposits
 - Given the nature of the deposit, result of the initial feasibility conducted, drilling/geologic results and environmental considerations, the most suitable method of **extraction is by open-cut mining method**
- Possibility of establishing mine facilities surrounding the identified quarry areas that are still within the MPSA that bounds the project
 - However, identified locations for facilities were based on the following:
 - **minimize environmental impact** by limiting footprint within the already disturbed areas
 - **allow for future expansion** of the quarry area
 - Permanent mine facilities/structures (eg. motorpool, and site office) were placed near blocks 1, 2 and 3 due to the large mineral reserve located in said areas which would, eventually, be the center of the quarry operations

Major Project Components

1. Quarry

- Five mining blocks within the MPSA were identified to host the quarry areas.
- Blocks are within Barangays Cabungahan, Manlayag, Sta. Rosa and Guinacot; with most of the quarry areas concentrated at Barangay Cabungahan.
- Development of the quarry will be through open cut quarrying method
- Quarry design parameters :
 - Average working bench width = 20 meters
 - Safety berm = about 2 meters in width and 0.5 meters in height
 - Bench Height = 5 meters
 - Berm Width = 3 meters
 - Working bench slope = 70°
 - Ramp Width = 12 meters
 - Ramp Gradient = 10%
- Final quarry height is set at 5m height to make the overall quarry slope angle at 40 degrees

2. Mobile Crusher

3. Haul and Access Roads

4. Stockpile and Dumps

Other Components

- **Support Facilities**
 - **Office Building**
 - Headquarters of the project managers
 - Hold the offices of the Resident Manager, Quarry Planning, the MEPEO, CRO and Safety and Health, clinic, survey and geology, administrative and finance personnel.
 - **Housing Facilities and Bunk Houses**
 - Shelter for quarry personnel.
 - **Security Outposts and Security Facilities**
 - Constructed in strategic locations to maintain security and control of ingress/egress of vehicles, materials and personnel to and from the mine site
 - **Mechanical Repair Workshop, Inventory Warehouse and Fuel Depot**
 - Support repairs and maintenance of mechanical equipment and house critical parts and fast-moving supplies
 - **Nursery Area**
 - Support the rehabilitation activities of the Project
 - estimated area of 1,000 m² shall be allocated for its construction; with an estimated seedling capacity of 10,000 seedlings.
 - Shall include the following:
 - Small Scale Compost Production shed
 - Seed Preparation Shed
 - Potting Shed
 - Seedling Hardening shed
 - Materials/Storage shed

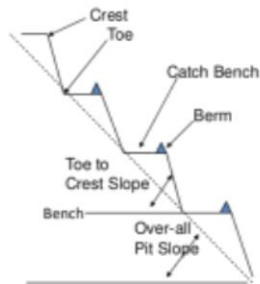
Other Components

- **Pollution Control Facilities**
 - **Sedimentation Ponds/Settling Ponds**
 - Constructed in series
 - Will be designed to effectively arrest the silt coming from the mining area to meet the required water quality of the recycled water and effluent standards in case of water discharge
 - **Drainage**
 - Quarry pit drainage will be constructed with sufficient depth and laid along the bench toe in order to handle storm runoff
 - Berms will be provided on the unprotected crest side to ensure safety
 - Storm water run-off drainage will also be established along the support facilities

Typical Open Pit Design for Quarrying

Terms in Open Pit Benches

- Quarries in strong rock can sustain about 80 to 85° toe to crest slopes.
- Geology determines limits but about 58 to 72° is a common range for toe to crest in open pit metal.
- Over-all slopes often more conservative
 - Frequently less than 45°.
 - Carraneta Mexico is nearly 60°

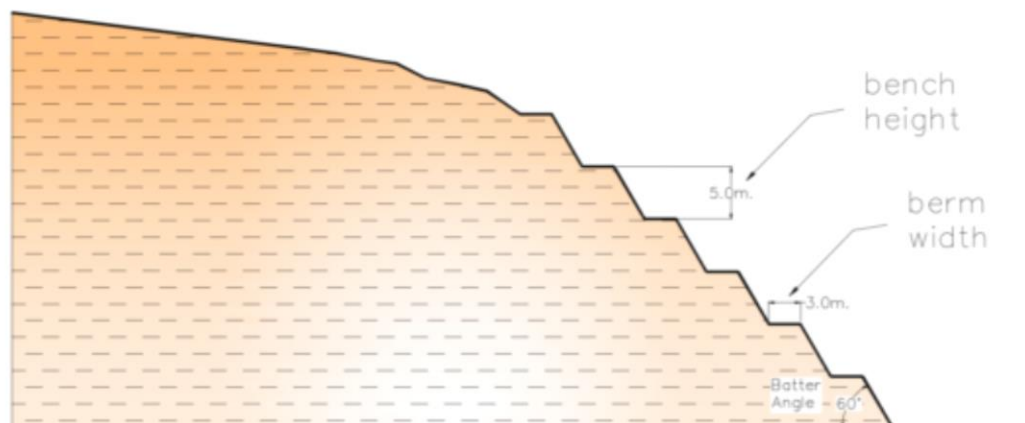


Final Pits Slopes allow Benches to be wide enough to Catch rocks and accommodate A berm. (This is often less than Than 10 m).

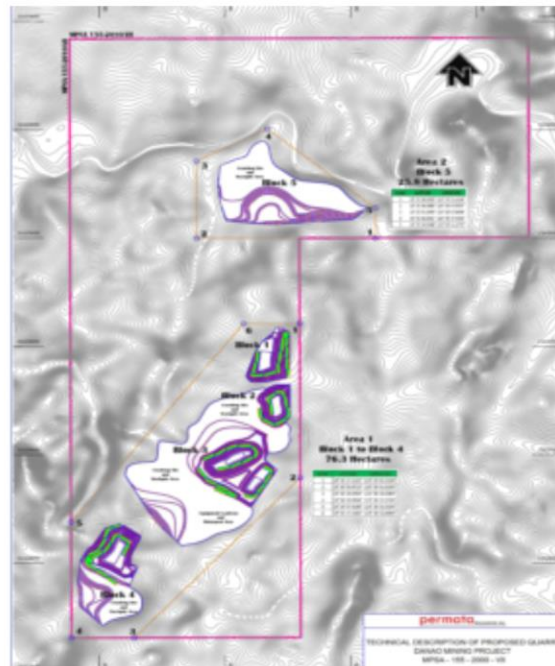
Note: that the toe to Crest slope is much Steeper than the over-all

Localized single bench failures from a steep toe to crest slope are much more Tolerable than an over-all pit slope failure over the entire side of a pit.

Quarry Design of Danao Mining Project



Site Development Plan



Project Phases

- Hiring of qualified manpower required to complement the workers in the construction works. Site clearing and stripping of over burden;
- Access road development;
- Establishment of drainage;
- Construction of settling pond, office buildings, housing and other quarry buildings; and
- Preparation of loading pad and benches.
- Major quarrying operation
- Progressive Rehabilitation
- Mobilization of equipment out of the quarry area;
- Rehabilitation of remaining mined-out areas, and settling ponds in accordance to the planned land use program of the Local Government Unit (LGU);
- Decommissioning of quarry ancillary facilities;
- Implementation of post mining social programs; and
- Transfer/donation of buildings to interested LGUs

Project Phases

Project Phases	Year																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Pre-Construction Planning of technical design and finalization of quarry plans and construction method for the installation of facilities; Soil investigation prior to civil works; and Securing of necessary permits																					
Construction/ Site Preparation Hiring of qualified manpower required to complement the workers in the construction works. Hiring of qualified local residents will be prioritized at this stage. Company guidelines and policies on hiring will be imposed; Site clearing and stripping of over burden; Access road development; Establishment of drainage line; Construction of settling pond, office buildings, housing and other quarry buildings; and Preparation of loading pad and benches.																					
Operation Quarrying of pozzolan Hauling of extracted pozzolan Progressive rehabilitation; and Implementation of environmental, safety and health, and social development programs																					
Abandonment Mobilization of equipment out of the quarry area; Rehabilitation of remaining mined-out areas, and settling ponds in accordance to the planned land use program of the Local Government Unit (LGU); Decommissioning of quarry ancillary facilities; Implementation of post mining social programs; and Transfer/donation of buildings to interested LGUs																					

Methodology

Module		Methodology
Land	Land Use	<ul style="list-style-type: none"> - Gathering and review of secondary data - Site observation
	Geology and Geomorphology	<ul style="list-style-type: none"> - Gathering and review of secondary data - Site observation
	Natural Hazards	<ul style="list-style-type: none"> - Gathering and review of secondary data - Site observation
	Pedology	<ul style="list-style-type: none"> - Gathering and review of secondary data - Soil sampling - Chemical and physical analysis of soil
	Terrestrial Biology	<ul style="list-style-type: none"> - Gathering and review of secondary data - Site observation, transect - Quadrant sampling - Interviews

Methodology

	Terrestrial Biology	<ul style="list-style-type: none"> - Site observation, transect - Quadrant sampling - Interviews
Water	Hydrology and Hydrogeology	<ul style="list-style-type: none"> - Gathering and review of secondary data - Drainage Area-Ratio Method - Float Method
	Water Quality	<ul style="list-style-type: none"> - In-situ measurements; grab sampling and laboratory analysis
	Freshwater Ecology	<ul style="list-style-type: none"> - Sampling: towing and Reach-wide benthos method - Gathering and review of secondary data
Air and Noise	Meteorology	<ul style="list-style-type: none"> - Gathering and review of secondary data
	Air and Noise Quality	<ul style="list-style-type: none"> - Sampling: High Volume Sampler; Dual Channel Dust Sampler; Personal Sampler - digital sound level meter for noise
People	Socio-economic Profile	<ul style="list-style-type: none"> - Gathering and review of secondary data - Perception survey - Focus group discussions

Summary of Baseline Characterization

Geology/Geomorphology

- Proposed project area is underlain by interbedded sedimentary rocks composed of well-indurated and massive conglomerate with bedded sandstone and siltstone, and limestone (larger than 2mm in diameter).
- Natural Pozzolan deposit occur within the project area and it is represented by massive siliceous, vitric tuff and tuffaceous shale deposit that are found interbedded with sandstone and siltstone greywacke belonging to Middle Miocene Formation.
- The project area lies along a moderately sloping to fairly rugged topography; with some portions having rolling sedimentary complex and isolated prominent limestone cap.
- Relief is moderate to high, characterized by steep slopes and V-shaped valleys with elevation ranges from 100 to over 300 m above sea level (masl). It is characterized by NE to SW trending closely-spaced, steep contours giving more than 30 to 50% slope with narrow ridges containing resistant peaks and oftentimes overlain by young siliceous beds and limestone unit.
- Two major water bodies dissected the property at its northern and central portion. The East-West trending Tangon River (Danao River) dissected the property at its northern portion and drains its load towards Camotes Sea. Tangon Creek, a major tributary of Tangon River (Danao River) that flows northward, dissected the central portion of the project site.
- The major stream is waterlogged throughout the year while most of the minor tributaries and/or creeks tend to be dry and waterlogged only during rainy season.



Pedology



- Three (3) of the soil sampling locations within and outside the MPSA 155-2000 VII belongs to the Faraon series while the other two (2) belongs to the Baguio series.
- Faraon series are black and usually clayey with fair drainage.
- pH of the soil is generally neutral in terms of soil reaction; except those at the Sta. Rosa site where surface soil reaction is slightly acidic. Meaning, mineral nutrients are readily available to plants.
- Soil in the project area are deficient in organic matter content, has low nitrogen content and available phosphorus. Calcium is high in all of the sites while highest Mg content was observed at the Sta. Rosa sampling site.
- The soils of the project area also have a very low to very high level of Exchangeable K; sodium levels are medium to high.
- Two (2) soil sampling sites exhibited very low cadmium content and high hexavalent Chromium (Cr⁶⁺) content and elevated levels of mercury under its undisturbed stage.
- Water holding capacity of the project area ranges from moderate to high.

Terrestrial Ecology

- Generally, the **forest cover** of the project area **varies from closed-canopy to open canopy forest and some portions of brushlands**. The closed-canopy forest were second-growth and residual forest dominated with Euphorbiaceae and Moraceae family tree species.

- **Flora (*Tanum*)**. A total of **one hundred sixty-four (164) species** were recognized belonging to the **seed plants, ferns and their allies** from the seven quadrats sampled. Out of the said species, **twenty-two (22) were Philippine endemics** and **eight (8) species are included in the National Red List**.

- **Fauna (*Mananap*)**. **Twenty-eight (28) species with 552 individuals of terrestrial vertebrate fauna** were identified.



Hydrology/Hydrogeology



- The project area can be found within the **Tangon Watershed**, which is adjacent to the Balamban and Kotkot Principal River Basins that bounds the western and southern portions of the Tangon Watershed, respectively.

- Area is also generally **underlain by good water-bearing rock units or aquifer** consist of sedimentary beds of sandstone, conglomerate and isolated caps of limestone. The inherent primary structures in the form of bedding developed in sandstone units and porous limestone, and its secondary structures in the form of fractures/joints or discontinuities serve as good permeable network for groundwater flow in the rock formation.

- There were **no occurrence of caves and sinkholes** but **presence of spring and seepage** were observed; indicating groundwater flow in the project area.

- **Three (3) active springs** were also noted occurring within the proposed mining blocks of the company.

Water Quality

- Groundwater. All of the sampling stations for **thermotolerant coliform bacteria and the total coliform contents showed elevated levels of contamination of coliform bacteria**. pH, on the other hand, showed a **near neutral to neutral pH** and are all within the upper limit of the pH standard of PNSDW 2007. All stations also showed an **acceptable TSS concentration and oil and grease content of less than 1.0 ppm**. Laboratory analysis of **Mercury, Arsenic Cadmium, Lead and Chromium** revealed that all of the sampling stations **are within the prescribed PNSDW 2007 standard**.
- Surface water. Laboratory analysis results showed that all sampling stations have **low thermotolerant coliform bacteria** and have a **moderately alkaline pH**. **BOD and oil and grease are also within standards**. Natural bodies of water around the proposed project site also do not contain elevated levels of heavy metals.
- Salt water. All of the parameters tested for the marine water quality indicated that the **marine water environment is within the acceptable values of the prescribed standard of the DENR AO 2016-08**.

Freshwater Ecology

- **Seventeen (17) species of phytoplanktons with 31,500 cell/mL in five different division** were identified from the collected specimen during the sampling. (i.e. Bacteria, protest, single-celled plants)
- **Bacillariophyta (algae) and Charophyta has the highest number of individual counts gathered 29% of the total percent composition of the species collected.**
- A total of one hundred twenty-three (123) individuals were captured during the macroinvertebrate sampling.
- **Ten (10) species of macroinvertebrates (ex. insect, worms, snails) that belong to seven (7) families in categorization where identified. (indication of healthy river/creeks)**
- The upper stream has the highest number of species captured, with eight (8) species; second is the downstream (6 species); while the middle stream has 3 species in the overall counting.



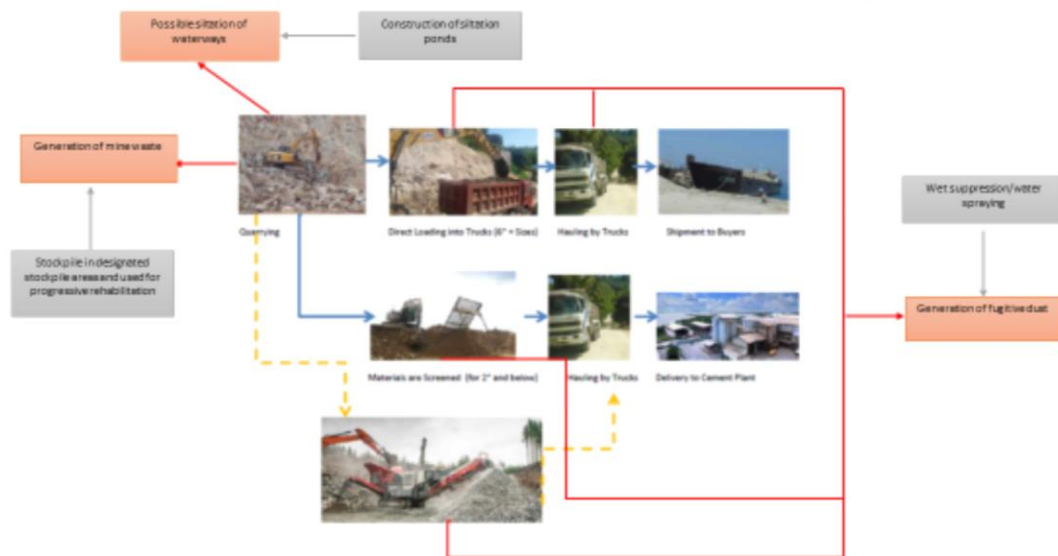
Climatology, Air Quality and Noise

- The project site falls under **Type 3 climate** wherein there is **no very pronounced maximum rain period**. The climatological normal values (1981-2010) recorded at Mactan International Airport Synoptic Station of PAGASA show an annual average rainfall of 1,564.5 mm, with **high monthly averages during in June, July, September and October**.
- The prevailing wind flows in the area are the northeast and southwest winds. The **southwest monsoon (*Habagat*) predominates during the months of June to September** while **northeast monsoon (*Amihan*) from November to April**. Easterly winds prevail in May during transition from northeast to southwest monsoon. The monthly average wind speed ranges from 2 to 3 m/s
- Based on Philippine vulnerability map to typhoons, the province of **Cebu has low risk to typhoon**.
- **Air Quality**. Ambient air quality monitoring showed that the **ambient concentration levels of TSP, PM₁₀, PM_{2.5}, SO₂, and NO₂ in all sampling stations were within the NAAAG values**.
- **Noise**. The result of the noise level monitoring showed that the average noise levels during daytime at Station N1 (Cabungahan Basketball Court) were lower the maximum allowable noise (55 dB(A)) set by DENR for category A areas (i.e. residential area). However, **average noise levels during morning, evening and nighttime were higher the maximum allowable noise for each respective period (i.e. 50 dB(A) for morning and evening, and 45 dB(A) for nighttime**.
- The **average noise levels at Station N2 (Mining Site) were lower compared to the maximum allowable noise level set by DENR for category D areas (i.e. heavy industrial area)**.
- For Station N3 (Cabungahan Elementary School), the **average noise levels during daytime, evening, nighttime and morning were higher compared to maximum allowable noise level set by DENR for each respective period in category AA areas (i.e. area which requires quietness, such as areas within 100 meters from school site, nursery schools, hospitals and special house for the aged)**.
- The average noise levels at Station N4 (Sitio Timobo Gym) **were lower than the maximum allowable noise set by DENR for daytime period in category A areas**. However, average noise levels during morning, evening and nighttime higher than the maximum allowable noise set for each respective period.

Socio-Economic

- **Danao City is considered as the 5th highest populated area** among the thirteen (13) cities and municipalities of Metro Cebu. As of 2015, Danao has a total population of 136,417 with 14 percent increase if compared to 2010 census.
- It has a complete **land area of 16,871 hectares and approximately 6,102.50 hectares (36.71%) are devoted for multiple agricultural crops**. Corn is the City's **primary commodity**; comprising 38.59 percent or 2,355 hectares dedicated for maize production. Another major crop is vegetables with 1,217 hectares (19.94%) of the total cultivated areas.
- Based on the conducted survey, **majority of household-respondents (91.7%) are aware of the company's proposed project**.
- In addition, **majority of the household-respondents are also in favor of the project**. Most of them (45%) believe that it will create employment opportunities. Others also assumed that it will generate livelihood and business opportunities (14.5%), additional income for the barangay and the city (19.4%), and could trigger social development projects in the barangay (21%).

General Outline of Proposed Operations and Possible Primary Impacts



Detailed Possible Impacts and Management Measures

Project Activity	Component to be Affected	Potential Impacts	Options for Prevention, Mitigation or Enhancement
Pre-construction Phase			
Site Preparation	People	- Loss of properties (land and other physical assets)	- Implementation of Resettlement Action Plan Framework
Development/Construction Phase			
Site preparation (clearing, grubbing and stripping of topsoil), construction of benches/mine facilities/haul roads, stockpiling of topsoil	Land	- Change in land use of areas occupied by the mine facilities - Loss of topsoil and decrease in soil quality/productivity - Soil contamination	- Planning of rehabilitation will be in accordance with the EPEP and in consultation with stakeholders - Removed soils will be conserved and stockpiled in a pre-determined area and will be used in rehabilitation and backfilling activities - Stockpiles shall be graded to a stable relief - Progressive ground preparation/grubbing to minimize the area removed with soil cover at any one time
		- Inducement of landslides	- Safe working slopes and land slide control structures will be established - Train pertinent personnel on recognition of the various slope/ground failure modes, hazard warning signs and standard operating procedures to be observed in the case of ground failure events or impending event
	Terrestrial Ecology	- Generation of wastes - Loss of vegetation and habitat - Increase in noise - Mortality of small, less mobile animals due to project activities - Habitat Fragmentation	- Materials recovered from vegetation removal shall be used as: - Trash lines on steep slopes to mitigate soil erosion - Materials for construction and/or composted and used for the fertilization of the seedlings in the nursery, seedling outplanting and field maintenance - Proper disposal of construction debris and solid wastes - Implementation of an Integrated Solid Waste Management Plan: Reduce, reuse, recycle - For accessibility, existing roads will be utilized and improved - For new roads to be established, heavily disturbed (e.g., grassland, scrubland, etc.) areas or trails shall be prioritized as the location - Whenever possible, tree-balling and immediate transfer of trees to open areas within the project area will be done (Applicable only to the critically endangered tree species) - Tree cutting permit shall be secured prior to any clearing and cutting - Strictly prohibit poaching of wildlife to mitigate population reduction and allow safe movement
	Surface Hydrology	- Increase in surface runoff and river discharge - Decline in river carrying capacity due to siltation	- Vegetation removal kept at minimum through planned clearings - Establishing voluntary conservation zones and biological corridors within the Project area - Construction of a drainage system within the project area

Project Activity	Environmental/Social Component to be Affected	Potential Impacts	Options for Prevention, Mitigation or Enhancement
Development/Construction Phase			
Site preparation (clearing, grubbing and stripping of topsoil), construction of benches/mine facilities/haul roads, stockpiling of topsoil	Air and Noise	- Ambient air pollution - Occupational health effects	- Regular spraying of water in active construction areas - Replacement of vegetation in non-construction areas - Compacting of exposed soil - Provision of tarpaulin cover on trucks transporting construction materials - Immediate hauling of spoils - Impose speed restrictions - Regular maintenance of heavy equipment and motor vehicles - Regular maintenance of heavy equipment mufflers (noise) - Provision of ear mufflers to workers operating noisy equipment - Proper scheduling of noisy activities during day time
		- Increased ambient sound levels	- Policy on the preferential hiring of locals - Pre-employment training to community residents - Training and development of local service cooperative - Preferential hiring of locals will be announced
	People	- Employment and Economic Opportunities - Population Influx - Loss of income from agricultural activities due to removal of crops and use of the land for mine development and road works	- Safety and Health Program for workers and impact communities - Community Health Survey - Assistance to the LGU on traffic management - Values orientation seminars to workers and community residents - Conduct of activities that promotes community cohesion - Assistance to the LGU on Peace and Order management - Prompt payment of taxes to the Local and National Government
		- Exposure to safety and Health Hazards	- Values orientation seminars to workers and community residents - Conduct of activities that promotes community cohesion - Assistance to the LGU on Peace and Order management - Prompt payment of taxes to the Local and National Government
		- Proliferation of vices that affects the peace and order in the area - Increased income of LGUs due to tax revenues - Possible unearthing of historical artifacts and/or fossil remains	- Safeguard possible archeological site and immediately inform the National Museum in case finds

Project Activity	Component to be Affected	Potential Impacts	Options for Prevention, Mitigation or Enhancement
Quarry	Operation Phase		
	Land	<ul style="list-style-type: none"> Generation of open areas with greater potential for runoff, erosion and landslides 	<ul style="list-style-type: none"> Establishment of safe working slopes and installation of land slide control structures Implementation of a suitable and appropriate slope/ground failure monitoring plan to detect instability at an early and non-critical stage (eg. drone survey) Train pertinent personnel on recognition of the various slope/ground failure modes, hazard warning signs and standard operating procedures to be observed in the case of ground failure events or impending event; Identification, early recognition and monitoring of warning signs of potential and impending slope stability problems Progressive rehabilitation of disturbed areas "Vengineering" (i.e. planting of vegetation with high rainfall intercepting capacity and high transpiration rate characteristics to serve as re-evaporators/biological pumps, respectively) Utilization of removed topsoil for backfilling low-lying areas and service roads Formulate a topsoil management plan (TMP) to address topsoil removal, stockpiling, and archiving of topsoil inventory for the project's progressive rehabilitation activities
	Air and Noise	<ul style="list-style-type: none"> CO2 generation Dust generation Noise generation 	<ul style="list-style-type: none"> Implement regular inspection and preventive maintenance of heavy equipment, machineries and service vehicles Use electric or fuel-efficient equipment, machineries and vehicles and maximize its operation, if possible Water spraying Mining activities to be confined during daytime
	Water	<ul style="list-style-type: none"> Increase in surface runoff and river discharge Decline in river carrying capacity due to siltation Water pollution Water resource use 	<ul style="list-style-type: none"> Establishment of siltation ponds and implementation of sediment and erosion control plan Provision of drains to access roads to contain and limit sedimentation downstream of the quarry Strengthen water monitoring system by keeping a record of daily water extraction and consumption. Rainwater harvesting through decentralized impoundments
	Terrestrial Ecology	<ul style="list-style-type: none"> Removal of ecologically and economically important species and wildlife habitat Removal of photosynthesizing plants Mortality of small, less mobile animals due to project activities Accessibility of area to illegal hunters and poachers of animals 	<ul style="list-style-type: none"> Priority conservation for ecologically and economically important species identified in the area Establishment of a nursery to propagate the seeds/propagules of these species, which will provide seedlings for future rehabilitation requirements Tree plantation development using the indigenous species and assisted natural regeneration (ANR) techniques Enhancement of Agro-forestry technologies suitable for the area Prevention of unnecessary clearing of vegetation Strictly prohibit poaching of wildlife to mitigate population reduction and allow safe movement. Personnel, heavy equipment, other vehicles, etc. shall be confined only to pre-determined designated areas and shall not occupy other areas to avoid further disturbances An active and continuous wildlife protection and conservation campaign will be pursued with the participation of all key stakeholders (e.g., communities, LGUs, etc.) within and around the project site.
	People	<ul style="list-style-type: none"> Safety and health risks to workers 	<ul style="list-style-type: none"> Provision of PPE to every personnel Conduct of safety orientation and training

Project Activity	Component to be Affected	Potential Impacts	Options for Prevention, Mitigation or Enhancement
Stockpiling of waste rock and tailing of pozzolan	Operation Phase		
	Land	<ul style="list-style-type: none"> Soil erosion 	<ul style="list-style-type: none"> Proper and strategic siting of stockpiles Progressive rehabilitation of exposed wasterocks Stockpiling below angle of repose Stockpiling in benches Provision of rock facing and installation of large boulders along the toe line increase stability
	Water	<ul style="list-style-type: none"> Siltation of nearby water body 	<ul style="list-style-type: none"> Proper management of stockpile Addition of soil amelioration and seeding of stockpiled topsoil Provision of drainage
	Air and noise	<ul style="list-style-type: none"> Ambient air pollution Occupational health effects 	<ul style="list-style-type: none"> Regular spraying of water in active construction areas Replacement of vegetation in non-construction areas Compacting of exposed soil Provision of tarpaulin cover on trucks transporting pozzolan Impose speed restrictions Regular maintenance of heavy equipment and motor vehicles
		<ul style="list-style-type: none"> Increased ambient sound levels 	<ul style="list-style-type: none"> Regular maintenance of heavy equipment mufflers (noise) Provision of ear mufflers to workers operating noisy equipment Proper scheduling of noisy activities during day time
	People	<ul style="list-style-type: none"> Safety and health risk to workers and communities near the haul roads 	<ul style="list-style-type: none"> Provision of PPE to every personnel Conduct of safety orientation and training Implementation of speed limit and other relevant safety procedures
Operations of motorpool	Land	<ul style="list-style-type: none"> Contamination of soil 	<ul style="list-style-type: none"> Provision of procedures for proper handling, storage, and transport of used oils, lubricants and chemicals
	Water	<ul style="list-style-type: none"> Contamination of water 	<ul style="list-style-type: none"> Provision of relevant pollution control devices (i.e. oil and water separator, auto shutoff valves) Contaminated soils will be removed and disposed off-site. Provision of Refuse storage facility with oil and water separator to contain any accidental spill.
Operationalization of administrative complex	People	<ul style="list-style-type: none"> Safety and health risks to workers 	<ul style="list-style-type: none"> Provision of procedures for proper handling, storage, and transport of used oils, lubricants and chemicals Provision of PPE Implementation of proper housekeeping
	Land, water, people	<ul style="list-style-type: none"> Contamination of soil and water Health risks to workers and the community 	<ul style="list-style-type: none"> Implementation of proper housekeeping Provision of proper domestic waste and wastewater handling (eg. septic tanks) handling and disposal Provision of a materials recovery facility for wastes Implementation of segregation

Project Activity	Environmental/Social Component to be Affected	Potential Impacts	Options for Prevention, Mitigation or Enhancement
Abandonment Phase			
Decommissioning of equipment Rehabilitation of disturbed areas Dismantling of structures	Land	<ul style="list-style-type: none"> - Erosion of newly replaced soils - Difficulty in plant establishment within footprints due to soil compaction - Permanent land use change - Generation of wastes 	<ul style="list-style-type: none"> - Establishment of newly restored areas with proper drainage and soil erosion control structures - Soil amelioration - Rehabilitation of the project area to the agreed and approved final land use embodied in the FMR/DP - The final perimeter and cover of the quarry area will have an undulating profile to facilitate drainage and future land use - Recyclable materials will be sold to recyclers. Residual wastes will be hand over to the municipal garbage collectors. Hazardous waste will be transported to accredited disposal companies - Decommissioning of infrastructures and rehabilitation of quarried out areas will be conducted in accordance with the project FMR/DP
	Water	<ul style="list-style-type: none"> - Contamination of water quality due to failure of the siltation ponds 	<ul style="list-style-type: none"> - Design impoundment structures relative to seismic and structural parameters - Monitoring of structural integrity for the duration of operation of these facilities and beyond mine closure - Development of an Emergency Response Plan to handle possible siltation pond failure
	Air and Noise	<ul style="list-style-type: none"> - Ambient air pollution - Occupational health effects - Increased ambient sound levels 	<ul style="list-style-type: none"> - Regular spraying of water in active areas - Provision of tarpaulin cover on trucks transporting decommissioned materials - Impose speed restrictions - Regular maintenance of heavy equipment and motor vehicles - Regular maintenance of equipment mufflers (noise) - Provision of ear mufflers to workers operating noisy equipment - Proper scheduling of noisy activities during day time
	People	<ul style="list-style-type: none"> - Termination of LGU revenues - Loss of employment/livelihood opportunities - Discontinuation of the social services offered by CMC through CSR and SDMP 	<ul style="list-style-type: none"> - Extensive IEC prior to decommissioning - Implementation of a post-mining Social development plan

Stakeholder Participation: EIC and Public Scoping

Summary of Issues/Concerns	How it was addressed in the EIA
Generation of dust and noise	<ul style="list-style-type: none"> - Water spraying especially during dry season and prior to and during unloading of materials - Establishment and maintenance of buffer zones - Working hours will be during daytime - Strict implementation of speed limits - Haul trucks to be provided with appropriate cover - Wheel washing for vehicles leaving the quarry and project site - Regular maintenance of trucks to reduce or maintain tailpipe emissions
Possible occurrence of landslides due to quarry operations	<ul style="list-style-type: none"> - Establishment and maintenance of buffer zones - Establishment of safe working slopes and landslide control structures
Dumping of waste rock	<ul style="list-style-type: none"> - Provision of designated stockpile area - Utilization of waste rock for rehabilitation activities
Distance of quarry from the residential areas	<ul style="list-style-type: none"> - Establishment and maintenance of buffer zones - Establishment of various environmental and safety and health plans/programs
Possible displacement of households	- Implementation of Resettlement Action Framework
Sedimentation of surface water	- Provision of various pollution control measures such as siltation ponds and drainage
Road access, safety and maintenance	<ul style="list-style-type: none"> - Provision of safety program/plan - Strict implementation of speed limits - Possible establishment of diversion/mine road - Provision of process/program in the SDMP regarding maintenance of access roads in partnership with LGU
Employment opportunities	<ul style="list-style-type: none"> - Incorporated in the SDMP - Prioritization of hiring of qualified stakeholders - Provision of trainings for stakeholders

Part 2: Open Forum

Template for Proper Documentation

ISYU/CONCERN	PARTIES CONCERNED (NAME/AGENCY/SECTOR)	RESOLUTIONS/AGREEMENT	PERSON WHO RESPONDED TO THE ISSUE/CONCERN RAISED

What's Next?

Annex D

EIA Study Summary (Cebuano Version)

Ang Kinatibok-ang Pamahayag sa Epekto sa Kinaiyahan

A. Paglaraw sa Proyekto

I. Kasayuran nga Impormasyon sa Proyekto

Project Name	: Danao Mining Project
Nature of Project	: Major Quarrying Project
Proposed Extraction Rate	: 350,000 MTPY
Commodity	: Pozzolan
Location of Quarry and Facilities	: Barangays Cabungahan, Manlayag, Sta. Rosa and Guinacot, Danao City, Cebu
Permit	: MPSA No. 155-2000-VII
Total Project Area	: 102.1 hectares out of the total 336.3782 hectares covered by the MPSA
Mining Method	: Surface Mining – Quarrying
Mine Life	: 10 Years

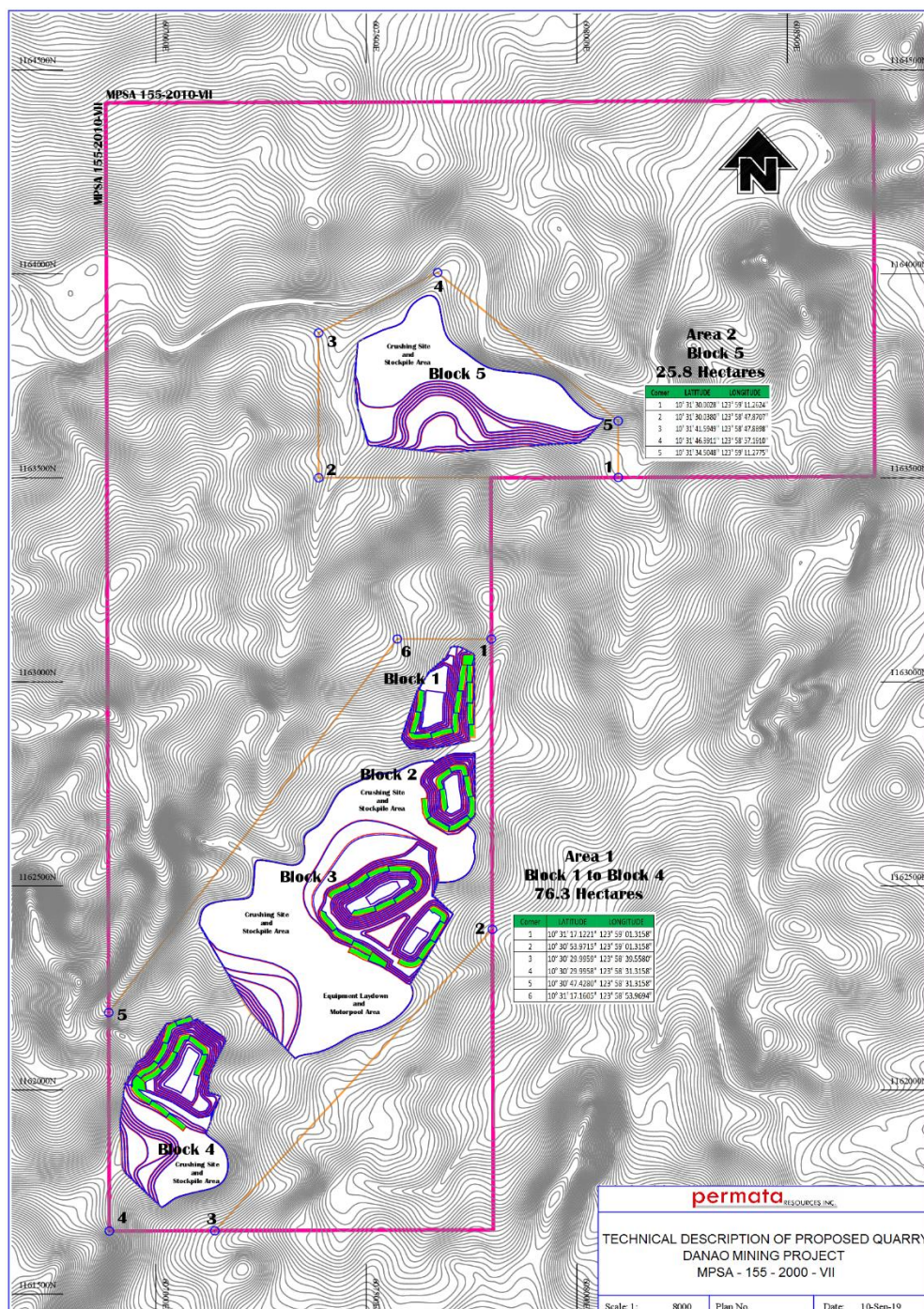
Niadtong 10 Abril 2000, ang Mineral Production Sharing Agreement (MPSA) No. 155-2000-VII gihatag sa Citadel Mining Corporation (CMC); nga girepresentahan sa Bise-Presidente niini, si G. Manuel Pastrana ug ang Board of Directors niini. Ang nasangpit nga MPSA naglangkob sa 336.3782 ektarya sa sulod sa Barangays Guinacot, Quisol, Sta. Rosa, Cabungahan ug Manlayag, Danao City, Cebu. Gisundan kini dayon nga narehistro sa Mines and Geosciences Bureau (MGB). Kaniadtong Abril 2013, ingon sa hingpit nga pagbaligya, ang miaging pagdumala sa CMC gibalhin, gihatag, gipamaligya ug gitago ang tanan nga bahin sa gi-aprubahan nga MPSA ngadto sa Blu Kwartz Holdings Inc.; nga girepresentahan sa Presidente niini, si G. Mark Y. Yu.

II. Mga Komponente sa Proyekto

Major Components	Quarry
	Mobile crusher
	Haul/access roads
	Stockpile and dumps
Support Facilities	Office building
	Housing facilities and bunk houses
	Security outposts and facilities
	Mechanical repair workshop, inventory warehouse and fuel depot
	Nursery
Pollution control facilities	Sedimentation Ponds/Settling Ponds
	Pit drainage

Ang mga proyekto sa pagmina usa ka pili nga lugar tungod kay ang pagkuha sa mineral mahimo ra kung diin mahitabo ang mga deposito sa ekonomiya. Tungod niini, wala isipa sa CMC ang bisan unsang alternatibong lugar sa proyekto. Alang sa pamaagi sa pagmina, nga gihatagan sa kinaiya sa pagdeposito, nga sangputanan sa pasiuna nga posible nga mahimo, mga resulta sa pag-drill / geologic ug pagkonsiderar sa kinaiyahan, ang labing angay nga pamaagi sa pagkuha mao ang paagi sa open-cut quarry.

Alang sa mga pasilidad sa quarry, ang kompanya nagtan-aw sa posibilidad nga mapahimutang kini nga naglibot sa mga naila nga mga lugar nga quarry nga naa pa sa sulod sa MPSA nga sugbanan sa proyekto. Bisan pa, ang dugang nga pagplano ug pagtuki nagsugyot nga ang giila nga lokasyon sa kini nga mga pasilidad mao ang labing ekonomikanhon tungod sa kaduol niini sa mga lugar nga gikubkob, pagminus sa epekto sa kinaiyahan pinaagi sa paglimite sa mga tunob sa mga naabusuhan nga mga lugar, ug tugutan alang sa umaabot nga pag-uswag sa gi quarry nga lugar. Ang kanunay nga mga pasilidad / istruktura sa minahan (eg. Motorpool, ug site office) gibutang duol sa mga bloke 1, 2 ug 3 tungod sa dako nga reserba sa mineral nga nahimutang sa mga giingon nga mga lugar nga, sa katapusan, mahimo nga sentro sa mga operasyon sa quarry.



II. Proseso o Teknolohiya

Ang pag-uswag ug paghimo sa proyekto mahimo'g pinaagi sa naandan nga paagi sa open-cut quarrying, nga naglambigit sa mga mosunod nga yugto:

- Pag-andam sa dalan;
- Overburden / Topsoil Stripping;
- Ripping / Pagbungkag;
- Pagtapok/pagpundo
- Pag-ambit ug Pagdala; ug
- Pag-screening / Pagdugmok.

Ang hustong benching mahimong gamiton sa matag lugar sa quarry. Sa dihang na strippan na ang overburden, ang mga sama sa terrace pagaputlon gikan sa kinatumyan nga strata nga nag-uswag paubos aron magsilbing lebel alang sa pagpahimutang sa mga kagamitan nga magpahigayon sa mga kalihokan sa pagpangubkob ug pagkarga. Magtukod ang kompanya og usa ka nag-unang haulage road nga mosulod ug mogawas sa quarry ug makonekta ang mga benches sa produksiyon. Ang sunod-sunod nga mga benches sa produksiyon magkataliwala sa usag usa pinaagi sa mga rampa alang sa dali nga pag-access ug pag-palapad sa mga deposito.

Ang pagkubkob ug pagbuto gamiton sa labing gamay nga lebel. Ang paggamit sa mga eksplosibo limitado lamang sa pagkunhod sa kadak-an sa mga bato / floats nga dili makaya sa hydraulic breaker ug crusher. Ang pagbuto himuon uban ang pag-amping sa labing taas ug taas nga lebel sa pagpraktis sa kaluwasan. Ang pagbomba sa kontraktor nga adunay labing nauna nga teknolohiya sa pag-blasting, narehistro sa hingpit ug adunay gikinahanglan nga lisensya gikan sa hingtungdan nga ahensya sa gobyerno ihatag sa kontrata.

IV. Mga gamit

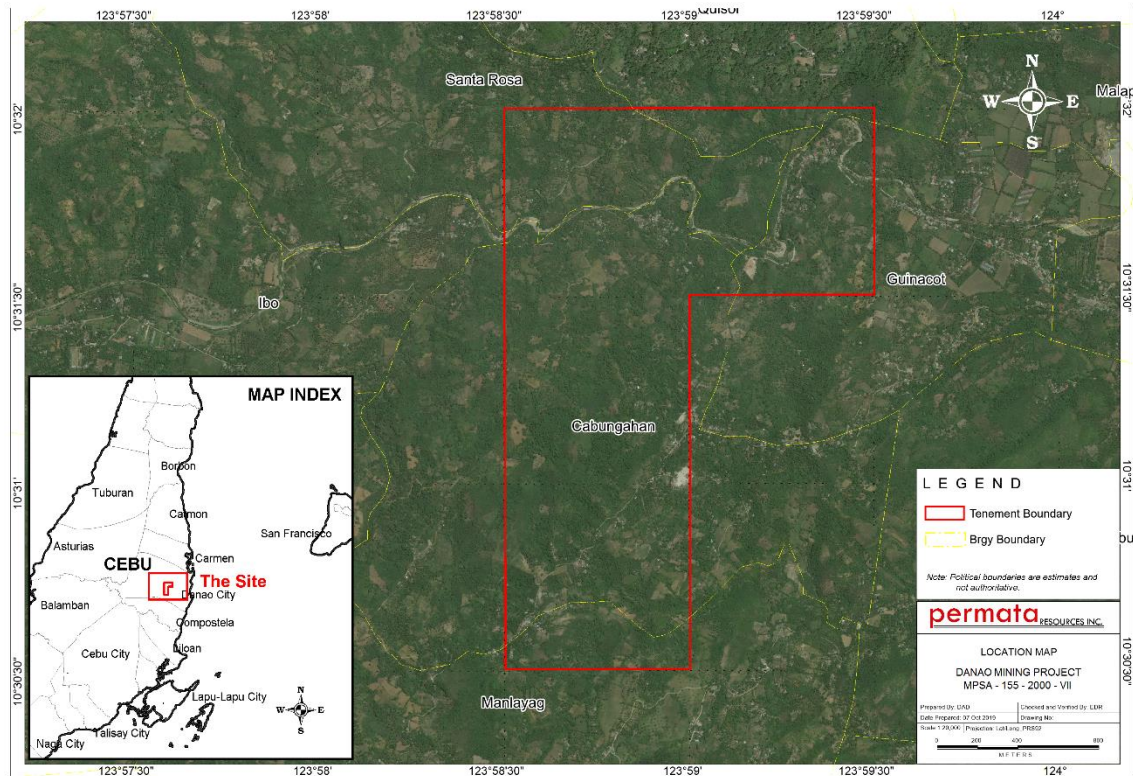
Kuryente	Ang suplay sa Kuryente sa Danao gisilbihan sa Cebu Electric Cooperative. Ang nasulti nga kuryente gigamit sa kadaghanan gikan sa geothermal energy nga gihatag sa Visayas-Panay grid.
Tubig	Ang lungsod sa Danao adunay usa ka sistema sa waterworks nga nakabase sa lungsod (Danao Waterworks). Gawas niini, ang mga lawom nga atabay ug mga tuburan nga karon usab mga gigikanan sa tubig sa lugar.
Gasolina/Lana	Ang mga fuel distributor nga gasolina sama sa Shell ug Petron nga nag-alagad sa mga panginahanglan sa lugar sa Danao City. Kadaghanan sa mga niini nga mga distributor sa gasolina nahimutang sa Danao City Proper, nga gihimo kini nga dali ma maabot/magamit aron matubag ang mga panginahanglanon sa gasolina ug lana alang sa operasyon sa quarry.

B. Ang lokasyon sa proyekto

Ang gisugyot nga Danao Mining Project nasakup sa MPSA No. 155-2000-VII nga nahimutang sa Barangays Guinacot, Quisol, Sta. Rosa, Cabungahan ug Manlayag, Danao City, Cebu. Ang giingon sa MPSA naglangkob sa usa ka kinatibuk-ang lugar nga 336.3782.

Base sa gipahigayon nga eksplorasyon, lima (5) ka mga bloke nga gitudlo sa duha (2) nga mga lugar sa sulod sa nahisgutan nga MPSA ang una nga gipunting nga mag-host sa mga quarry area ug mga pasilidad nga nahimutang sa Barangays Guinacot, Sta. Rosa, Cabungahan ug Manlayag.

Ang kini nga mga bloke naglangkob sa 102.1 ektarya gikan sa kinatibuk-ang 336.3782 ektarya nga nasakup sa MPSA.



C. Proponent sa Proyekto



CITADEL MINING CORPORATION

Lugar	:	Calderon Comp, Banawa, Guadalupe, Cebu City, Cebu
Pangulo	:	Mark Y. Yu President
Mga Detalye sa pagkontak	:	(032) 412-5572 (032) 412-5562
Email Address	:	Citadel_mining@yahoo.com.ph

Ang Citadel Mining Corporation usa ka narehistro nga kompanya nga pagmina nga gipanag-iya sa mga Pilipino kansang mga paghupot sa korporasyon mao ang Blu Kwartz Holdings, Inc. Sa 25 Hulyo 2013, gi-amendar sa CMC ang mga Artikulo sa Incorporation alang sa pagdugang sa Capital sa Php 100 Milyon kung gikinahanglan sa DENR alang sa pagmina mga kompanya. Kini narehistro sa Securities and Exchange Commission (SEC) kaniadtong 20 sa Disyembre 2013.

D. Gilaraw nga Panahon sa Pagplano sa Proyekto

Mga Yugto sa Proyekto	Tuig																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Sa Wala Pa Natukod <ul style="list-style-type: none"> - Pagplano sa teknikal nga laraw ug pagtapos sa mga plano sa quarry ug pamaagi sa pagtukod alang sa pagpahimutang sa mga pasilidad; - Pagsusi sa yuta sa wala pa ang mga buhat sa sibil; ug - Pagseguro sa mga gikinahanglan nga pagtugot 																					
Pagpangandam / Pag-andam sa Site <ul style="list-style-type: none"> - Pag-abang sa mga kwalipikado nga manpower nga gikinahanglan aron mapuno ang mga trabahante sa mga gimbuhaton sa pagtukod. Ang pag-abang sa mga kwalipikado nga lokal nga residente ang unahon sa kini nga yugto. Ang mga panudlo ug mga patakaran sa kompanya bahin sa pag-abang ipatuman; - Paghinlo sa site ug pagtangtang sa over-burden; - Pag-palambo sa dalan; - Pagpahimutang sa linya sa kanal; - Pagtukod sa settling pond, mga bilding sa opisina, puy-anan ug uban pang mga building sa quarry; ug - Pagpangandam sa loading pad ug mga benches. 																					
Ang Operasyon <ul style="list-style-type: none"> - Pag Quarry sa pozzolan - Pagpanguha sa nakuha nga pozzolan - Padayon nga rehabilitasyon; ug 																					

<ul style="list-style-type: none"> - Pagpahamtang sa mga programa sa paglambo alang sa kinaiyahan, kaluwasan ug kahimsog, ug sa sosyal nga aspeto 																				
Pagbiya sa Quarry Area <ul style="list-style-type: none"> - Pagpalihok sa mga gamit pagawas sa lugar nga gikubkob; - Ang rehabilitasyon sa nahabilin nga mga lugar nga mined-out, ug paghan-ay sa mga settling ponds subay sa giplano nga land use program sa Local Government Unit (LGU); - Pagputol sa mga pasilidad sa quarryary; - Pagpahamtang sa mga post mining social nga mga programa; ug - Pagbalhin / pagdonar sa mga bilding sa mga interesado nga LGU 																				

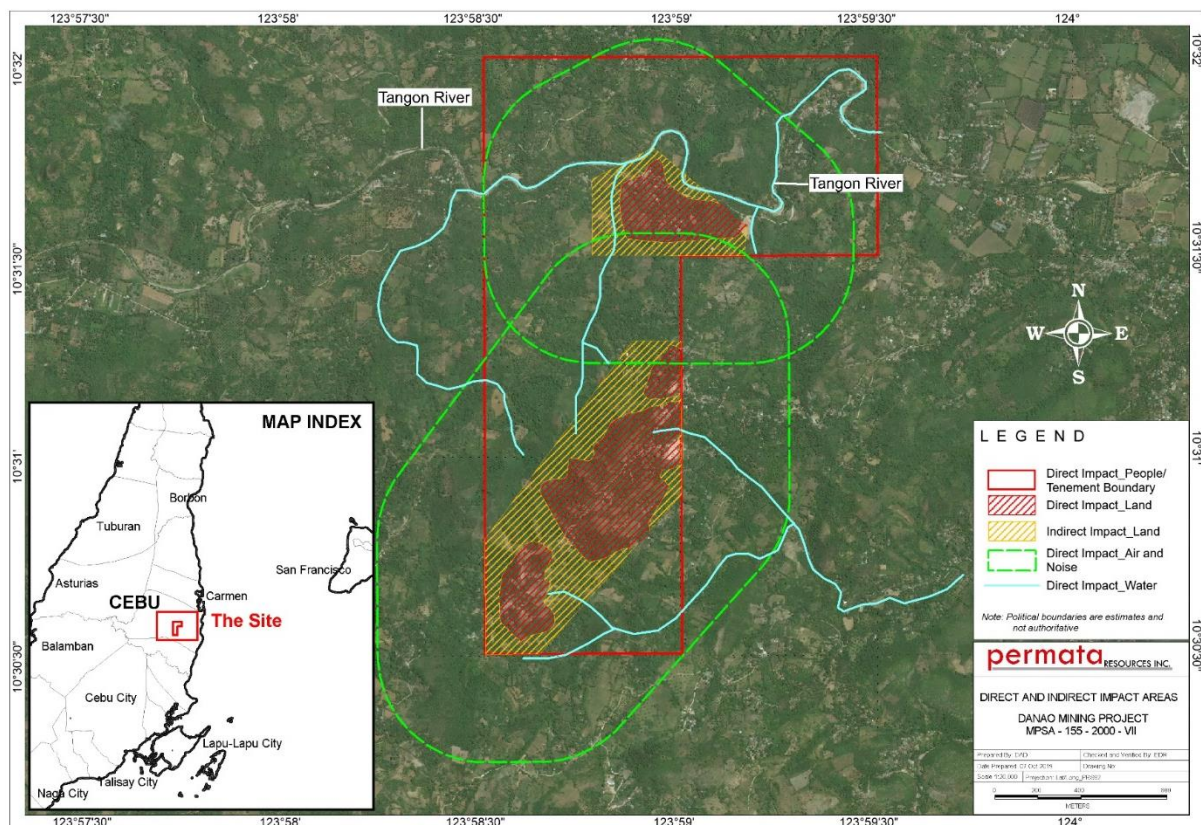
A. Projected Timeframe of Project Implementation

Project Phases	Year																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Pre-Construction <ul style="list-style-type: none"> - Planning of technical design and finalization of quarry plans and construction method for the installation of facilities; - Soil investigation prior to civil works; and - Securing of necessary permits 																					
Construction/ Site Preparation <ul style="list-style-type: none"> - Hiring of qualified manpower required to complement the workers in the construction works. Hiring of qualified local residents will be prioritized at this stage. Company guidelines and policies on hiring will be imposed; - Site clearing and stripping of over burden; - Access road development; - Establishment of drainage line; - Construction of settling pond, office buildings, housing and other quarry buildings; and - Preparation of loading pad and benches. 																					
Operation <ul style="list-style-type: none"> - Quarrying of pozzolan - Hauling of extracted pozzolan - Progressive rehabilitation; and - Implementation of environmental, safety and health, and social development programs 																					
Abandonment <ul style="list-style-type: none"> - Mobilization of equipment out of the quarry area; 																					

<ul style="list-style-type: none"> - Rehabilitation of remaining mined-out areas, and settling ponds in accordance to the planned land use program of the Local Government Unit (LGU); - Decommissioning of quarry ancillary facilities; - Implementation of post mining social programs; and - Transfer/donation of buildings to interested LGUs 																										
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E. Nahibal-an nga mga stakeholders

Gihimo ang EIA base sa nahibal-an nga direkta ug dili direkta nga epekto sa mga gisugyot nga Danao Mining Project. Ang mga direktang epekto sa lugar, bahin sa pisikal nga palibot, mao ang mga kung diin ang tanan nga mga pasilidad sa proyekto pagatukuron / pagahimuon. Alang sa hangin ug banha, ang mga lugar nga sulod sa 500 m (0.5 km) nga kaamgid sa mga utlanan sa mga lugar nga minahan nga mahimong direktang maapektuhan sa (a) mga pagbuga sa mga fugitive particulates nga naggikan sa operasyon sa quarry, kung wala'y mga paagi nga makontrol ang abog mga emisyon labi na kung ang hangin magaan sa kasarangan sa panahon sa ting-init, ug pinaagi sa b) mga pagbuga sa mga banha gikan sa pagdagan sa bug-at nga kagamitan, ug ang gitudlo nga mga lugar nga minahan. Alang sa tubig, ang direkta nga lugar nga epekto mao ang unahan sa sapa sa sulod sa lugar nga proyekto. Sa pikas bahin, ang mga lugar nga dili direkta nga gisakup sa bisan unsang mga kalihokan / konstruksyon ug sa gawas sa naila nga mining block sa MPSA (e.g. ang mga komunidad daplin sa mga kalsada) giisip nga dili direkta nga mga apektadong lugar. Alang sa mga epekto sa sosyal, direktang maapektuhan ang mga komunidad nga gikan sa Barangays Cabungahan, Manlayag, Sta. Rosa ug Guinacot; samtang ang uban pang mga komunidad sa Danao City ug kadtong naa sa gawas sa MPSA area ang naglangkob sa dili direktang maapektuhan nga mga komunidad.



B. B. Sumaryo sa mga Daghang Epekto ug Residual nga Epekto pagkahuman sa Mitigation

Project Activity	Environmental/Social Component to be Affected	Potential Impacts	Options for Prevention, Mitigation or Enhancement	Residual Effects after Mitigation
Pre-construction Phase				
Site Preparation	People	- Loss of properties (land and other physical assets)	- Implementation of Resettlement Action Plan Framework	- None as agreements will be finalized/settled prior to commencement of project activities
Development/Construction Phase				
Site preparation (clearing, grubbing and stripping of topsoil) Construction of benches/mine facilities/haul roads Stockpiling of topsoil	Land	- Change in land use of areas occupied by the mine facilities - Loss of topsoil and decrease in soil quality/productivity - Soil contamination	- Planning of rehabilitation will be in accordance with the EPEP and in consultation with stakeholders - Removed soils will be conserved and stockpiled in a pre-determined area and will be used in rehabilitation and backfilling activities - Stockpiles shall be graded to a stable relief - Progressive ground preparation/grubbing to minimize the area removed with soil cover at any one time	- Minimal inexorable topsoil loss due to transport/movement
		- Inducement of land slides	- Safe working slopes and land slide control structures will be established - Train pertinent personnel on recognition of the various slope/ground failure modes, hazard warning signs and standard operating procedures to be observed in the case of ground failure events or impending event	- None as thorough geological studies were and will continuously be implemented relative to the mine plan that will be laid out.
		- Generation of wastes	- Materials recovered from vegetation removal shall be used as: <ul style="list-style-type: none"> Trash lines on steep slopes to mitigate soil erosion 	- None; implementation of an integrated solid waste management plan on the commencement

Project Activity	Environmental/Social Component to be Affected	Potential Impacts	Options for Prevention, Mitigation or Enhancement	Residual Effects after Mitigation
			<ul style="list-style-type: none"> Materials for construction and/or composted and used for the fertilization of the seedlings in the nursery, seedling outplanting and field maintenance Proper disposal of construction debris and solid wastes Implementation of an Integrated Solid Waste Management Plan: Reduce, reuse, recycle 	of project implementation
	Terrestrial Ecology	<ul style="list-style-type: none"> Loss of vegetation and habitat Increase in noise Mortality of small, less mobile animals due to project activities Habitat Fragmentation 	<ul style="list-style-type: none"> For accessibility, existing roads will be utilized and improved For new roads to be established, heavily disturbed (e.g., grassland, scrubland, etc.) areas or trails shall be prioritized as the location Whenever possible, tree-balling and immediate transfer of trees to open areas within the project area will be done (Applicable only to the critically endangered tree species) Tree cutting permit shall be secured prior to any clearing and cutting Strictly prohibit poaching of wildlife to mitigate population reduction and allow safe movement Vegetation removal kept at minimum through planned clearings Establishing voluntary conservation zones and biological corridors within the Project area 	Minimal unavoidable impact on some vegetation and animals (eg. grasses, small plants) due to equipment movement and stripping activities
	Surface hydrology	<ul style="list-style-type: none"> Increase in surface runoff and river discharge 	<ul style="list-style-type: none"> Construction of a drainage system within the project area 	Possible siltation of water body due to onslaught of extreme

Project Activity	Environmental/Social Component to be Affected	Potential Impacts	Options for Prevention, Mitigation or Enhancement	Residual Effects after Mitigation
		- Decline in river carrying capacity due to siltation		weather condition on project area
	Air and Noise	<ul style="list-style-type: none"> - Ambient air pollution - Occupational health effects - Increased ambient sound levels 	<ul style="list-style-type: none"> - Regular spraying of water in active construction areas - Replacement of vegetation in non-construction areas - Compacting of exposed soil - Provision of tarpaulin cover on trucks transporting construction materials - Immediate hauling of spoils - Impose speed restrictions - Regular maintenance of heavy equipment and motor vehicles - Regular maintenance of heavy equipment mufflers (noise) - Provision of ear mufflers to workers operating noisy equipment - Proper scheduling of noisy activities during day time 	- Minimal fugitive dust and noise generation
	People	<ul style="list-style-type: none"> - Employment and Economic Opportunities - Population Influx - Loss of income from agricultural activities due to removal of crops and use of the land 	<ul style="list-style-type: none"> - Policy on the preferential hiring of locals - Pre-employment training to community residents - Training and development of local service cooperative - Preferential hiring of locals will be announced 	- None

Project Activity	Environmental/Social Component to be Affected	Potential Impacts	Options for Prevention, Mitigation or Enhancement	Residual Effects after Mitigation
		for mine development and road works		
		- Exposure to safety and Health Hazards	- Safety and Health Program for workers and impact communities. - Community Health Survey - Assistance to the LGU on traffic management	- None
		- Proliferation of vices that affects the peace and order in the area	- Values orientation seminars to workers and community residents - Conduct of activities that promotes community cohesion - Assistance to the LGU on Peace and Order management	- none
		- Increased income of LGUs due to tax revenues	- Prompt payment of taxes to the Local and National Government	- None
		- Possible unearthing of historical artifacts and/or fossil remains	- Safeguard possible archeological site and immediately inform the National Museum in case of finds	- None
Operation Phase				
Quarry	Land	- Generation of open areas with greater potential for runoff, erosion and landslides	- Establishment of safe working slopes and installation of land slide control structures - Implementation of a suitable and appropriate slope/ground failure monitoring plan to detect instability at an early and non-critical stage (eg. drone survey)	- None; open areas during operation phase are only those where active mining operations revolve

Project Activity	Environmental/Social Component to be Affected	Potential Impacts	Options for Prevention, Mitigation or Enhancement	Residual Effects after Mitigation
			<ul style="list-style-type: none"> - Train pertinent personnel on recognition of the various slope/ground failure modes, hazard warning signs and standard operating procedures to be observed in the case of ground failure events or impending event; - Identification, early recognition and monitoring of warning signs of potential and impending slope stability problems - Progressive rehabilitation of disturbed areas - “Vengineering” (i.e. planting of vegetation with high rainfall intercepting capacity and high transpiration rate characteristics to serve as re-evaporators/biological pumps, respectively) - Utilization of removed topsoil for backfilling low-lying areas and service roads - Formulate a topsoil management plan (TMP) to address topsoil removal, stockpiling, and archiving of topsoil inventory for the project’s progressive rehabilitation activities 	
	Air and Noise	<ul style="list-style-type: none"> - CO2 generation - Dust generation - Noise generation 	<ul style="list-style-type: none"> - Implement regular inspection and preventive maintenance of heavy equipment, machineries and service vehicles - Use electric or fuel-efficient equipment, machineries and vehicles and maximize its operation, if possible - Water spraying - Mining activities to be confined during daytime 	<ul style="list-style-type: none"> - Minimal fugitive dust and noise generation

Project Activity	Environmental/Social Component to be Affected	Potential Impacts	Options for Prevention, Mitigation or Enhancement	Residual Effects after Mitigation
	Water	<ul style="list-style-type: none"> - Increase in surface runoff and river discharge - Decline in river carrying capacity due to siltation - Water pollution - Water resource use 	<ul style="list-style-type: none"> - Establishment of siltation ponds and implementation of sediment and erosion control plan - Provision of drains to access roads to contain and limit sedimentation downstream of the quarry - Strengthen water monitoring system by keeping a record of daily water extraction and consumption. - Rainwater Harvesting through decentralized impoundments 	<ul style="list-style-type: none"> - Possible siltation of water body due to onslaught of extreme weather condition on project area
	Terrestrial Ecology	<ul style="list-style-type: none"> - Removal of ecologically and economically important species and wildlife habitat - Removal of photosynthesizing plants - Mortality of small, less mobile animals due to project activities - Accessibility of area to illegal hunters and poachers of animals 	<ul style="list-style-type: none"> - Priority conservation for ecologically and economically important species identified in the area - Establishment of a nursery to propagate the seeds/propagules of these species, which will provide seedlings for future rehabilitation requirements - Tree plantation development using the indigenous species and assisted natural regeneration (ANR) techniques - Enhancement of Agro-forestry technologies suitable for the area - Prevention of unnecessary clearing of vegetation - Strictly prohibit poaching of wildlife to mitigate population reduction and allow safe movement. - Personnel, heavy equipment, other vehicles, etc. shall be confined only to pre-determined designated areas and shall not occupy other areas to avoid further disturbances 	<ul style="list-style-type: none"> - Minimal unavoidable impact on some vegetation and animals (eg. grasses, small plants) due to equipment movement and mining activities

Project Activity	Environmental/Social Component to be Affected	Potential Impacts	Options for Prevention, Mitigation or Enhancement	Residual Effects after Mitigation
			<ul style="list-style-type: none"> - An active and continuous wildlife protection and conservation campaign will be pursued with the participation of all key stakeholders (e.g., communities, LGUs, etc.) within and around the project site. 	
	People	<ul style="list-style-type: none"> - Safety and health risks to workers 	<ul style="list-style-type: none"> - Provision of PPE to every personnel - Conduct of safety orientation and training 	- None
Stockpiling of waste rock Hauling of pozzolan	Land	<ul style="list-style-type: none"> - Soil erosion 	<ul style="list-style-type: none"> - Proper and strategic siting of stockpiles - Progressive reclamation of exposed waste rocks - Stockpiling below angle of repose - Stockpiling in benches - Provision of rock facing and installation of large boulders along the toe line increase stability 	- None
	Water	<ul style="list-style-type: none"> - Siltation of nearby water body 	<ul style="list-style-type: none"> - Proper management of stockpile - Addition of soil amelioration and seeding of stockpiled topsoil - Provision of drainage 	- Possible siltation of water body due to onslaught of extreme weather condition on project area
	Air and noise	<ul style="list-style-type: none"> - Ambient air pollution - Occupational health effects - Increased ambient sound levels 	<ul style="list-style-type: none"> - Regular spraying of water in active construction areas - Replacement of vegetation in non-construction areas - Compacting of exposed soil - Provision of tarpaulin cover on trucks transporting pozzolan - Impose speed restrictions - Regular maintenance of heavy equipment and motor vehicles 	- Minimal fugitive dust and noise generation

Project Activity	Environmental/Social Component to be Affected	Potential Impacts	Options for Prevention, Mitigation or Enhancement	Residual Effects after Mitigation
			<ul style="list-style-type: none"> - Regular maintenance of heavy equipment mufflers (noise) - Provision of ear mufflers to workers operating noisy equipment - Proper scheduling of noisy activities during day time 	
	People	<ul style="list-style-type: none"> - Safety and health risk to workers and communities near the haul roads 	<ul style="list-style-type: none"> - Provision of PPE to every personnel - Conduct of safety orientation and training - Implementation of speed limit and other relevant safety procedures 	- None
Operations of motorpool	Land	<ul style="list-style-type: none"> - Contamination of soil 	<ul style="list-style-type: none"> - Provision of procedures for proper handling, storage, and transport of used oils, lubricants and chemicals - Provision of relevant pollution control devices (i.e. oil and water separator, auto shutoff valves) - Contaminated soils will be removed and disposed off-site. - Provision of Refuse storage facility with oil and water separator to contain any accidental spill. 	- None
	Water	<ul style="list-style-type: none"> - Contamination of water 		- None
	People	<ul style="list-style-type: none"> - Safety and health risks to workers 	<ul style="list-style-type: none"> - Provision of procedures for proper handling, storage, and transport of used oils, lubricants and chemicals - Provision of PPE - Implementation of proper housekeeping 	- None
Operationalization of administrative complex	Land, water, people	<ul style="list-style-type: none"> - Contamination of soil and water - Health risks to workers and the community 	<ul style="list-style-type: none"> - Implementation of proper housekeeping - Provision of proper domestic waste and wastewater handling (eg. septic tanks) handling and disposal 	- None

Project Activity	Environmental/Social Component to be Affected	Potential Impacts	Options for Prevention, Mitigation or Enhancement	Residual Effects after Mitigation
			<ul style="list-style-type: none"> - Provision of a materials recovery facility for wastes - Implementation of segregation 	
Abandonment Phase				
Decommissioning of equipment Rehabilitation of disturbed areas Dismantling of structures	Land	<ul style="list-style-type: none"> - Erosion of newly replaced soils - Difficulty in plant establishment within footprints due to soil compaction 	<ul style="list-style-type: none"> - Establishment of newly restored areas with proper drainage and soil erosion control structures - Soil amelioration 	- None
		<ul style="list-style-type: none"> - Permanent land use change - Generation of wastes 	<ul style="list-style-type: none"> - Rehabilitation of the project area to the agreed and approved final land use embodied in the FMR/DP - The final perimeter and cover of the quarry area will have an undulating profile to facilitate drainage and future land use - Recyclable materials will be sold to recyclers. Residual wastes will be hand over to the municipal garbage collectors. Hazardous waste will be transported to accredited disposal companies - Decommissioning of infrastructures and rehabilitation of quarried out areas will be conducted in accordance with the project FMR/DP 	- None
	Water	<ul style="list-style-type: none"> - Contamination of water quality due to failure of the siltation ponds 	<ul style="list-style-type: none"> - Design impoundment structures relative to seismic and structural parameters - Monitoring of structural integrity for the duration of operation of these facilities and beyond mine closure 	- Possible siltation of water body due to onslaught of extreme weather condition on project area

Project Activity	Environmental/Social Component to be Affected	Potential Impacts	Options for Prevention, Mitigation or Enhancement	Residual Effects after Mitigation
			- Development of an Emergency Response Plan to handle possible siltation pond failure	
	Air and Noise	<ul style="list-style-type: none"> - Ambient air pollution - Occupational health effects - Increased ambient sound levels 	<ul style="list-style-type: none"> - Regular spraying of water in active areas - Provision of tarpaulin cover on trucks transporting decommissioned materials - Impose speed restrictions - Regular maintenance of heavy equipment and motor vehicles - Regular maintenance of equipment mufflers (noise) - Provision of ear mufflers to workers operating noisy equipment - Proper scheduling of noisy activities during day time 	- Minimal fugitive dust and noise generation
	People	<ul style="list-style-type: none"> - Termination of LGU revenues - Loss of employment/livelihood opportunities - Discontinuation of the social services offered by CMC through CSR and SDMP 	<ul style="list-style-type: none"> - Extensive IEC prior to decommissioning - Implementation of a post-mining Social development plan 	- None

Alang sa mga proyekto sa pagmina, usa ka mekanismo sa pinansya nga gitawag nga Contingent Liability and Rehabilitation Fund (CLRf) ang natukod. Kini nga CLRf usa ka mekanismo sa pondo sa paggarantiya sa kinaiyahan nga nagsiguro sa makatarunganon ug tukma nga bayad alang sa mga kadaot ug padayon ug malungtaron nga rehabilitasyon alang sa bisan unsang dili maayong epekto sa operasyon sa pagmina o kalihokan nga mahimong hinungdan. Ang kini nga pondo dugang nga nabungkag sama sa mga musunud: Environmental Trust Fund (ETF), Pondo sa Rehabilitation Fund (MRF), MWTF Reserve Fund (MWTRF), ug Katapusang Mine Rehabilitation ug Decommissioning Fund (FMRDF).

Ang MRF natukod ug gihuptan sa matag minahan nga nagdagan ingon usa ka makatarunganon nga pagdeposito sa kwarta alang sa kinaiyahan aron masiguro ang pagkaanaa sa mga pondo alang sa makatagbaw nga pagsunod sa mga pasalig ug pagtuman sa mga kalihokan nga gilati sa EPEP / Taunang EPEP ug kini moabut sa duha (2) nga porma: ang Monitoring Trust Fund (MTF), nga naglangkob sa maintenance ug uban pa nga badyet sa pag-operate alang sa mga gasto sa transportasyon ug pagbiyahe, gasto sa pag-analisar sa laboratoryo, ug uban pang makatarunganon nga mga gasto nga gihimo sa multi-partite monitoring team sa kantidad nga Php150,000.00 nga mabag-o matag quarter; ug ang Rehabilitation Cash Fund (RCF), nga magamit aron masiguro ang pagsunod sa gi-aprubahan nga mga kalihokan sa rehabilitasyon ug mga iskedyul alang sa espesipiko nga yugto sa pagmina lakip ang panukiduki sama sa gipasabut sa EPEP / AEPEP sa kantidad nga katumbas sa napulo ka porsyento (10%) sa kinatibuk-ang kantidad nga gikinahanglan aron maimplementar ang EPEP o Php 5 Milyon, bisan kinsa ang labing ubos.

Kung dili, ang FMRDF mao ang gasto nga gamiton aron maimplementar ang katapusang plano sa rehabilitasyon sa minahan ug decommissioning nga pagkahuman sa kinabuhi sa minahan. Gipakita ang gisugyot nga FMRDF alang sa proyekto nga php 22,000,000.00 Ang MWTRF mao ang mga mahinungdanon nga gasto nga nakolekta base sa kantidad sa minahan nga basura ug pagmina nga gihimo sa usa ka proyekto sa pagmina ug gigamit alang sa pagbayad sa kompensasyon alang sa mga kadaot nga gipahinabo sa mga operasyon sa pagmina. Ang gisugyot nga mga basura sa maong proyekto nagkantidad og Php 0.05 / MT. Sa laing bahin, ang ETF gamiton alang sa pagbayad sa mga kadaot nga adunay kalabotan sa pagmina gawas sa mga hinungdan sa mga basura ug mga pagbutang sa minahan ug kinahanglan nga labing menos Php 50,000.00. Alang sa pagpatuman sa Social Development and Management Program, ang pondo sa SDMP pagatukoron sa kompanya. Kini nga pondo mahimong 1.5% sa gasto sa operasyon. Gisaad ang CMC sa pag-establisar sa labaw nga gikinahanglan nga pondo pagkahuman sa pag-apruba sa tanan nga may kalabutan nga permits / dokumento.

G. Dugang nga Impormasyon

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Annex E

Transcript of the Open Forum

Issue/Concern	Parties Concerned	Resolutions/Agreement	Person Responded to the Issue Raised
<i>Hi, my name is John and I have plenty of questions, first of all, my house location was there already for about 7 years, what's your assessment on the roads, because the roads even the main roads is substandard, so my friends and I come to cross on the cemetery, even the drainage is substandard, the drainage doesn't work, so how are you going to attracts everyone to continue with down resources especially Barangay roads because a lot of barangay roads with big trucks keep on parking the street, people standing the street, and they can get killed, because even the trucks can walk down the road, and a lot of people can be hit by that trucks, so how's your assessment on that?</i>	<i>John Eyerman, Brgy. Manlayag</i>	<i>Actually just to remind everyone, I mean to inform everyone that even though we have or if ever the project will be approved, the existing law and ordinance of the Danao City gvernment will still be there, and we we still be covered with the national law, with the local law, if ever there are illegal parkings or the road is not enough for our operation, I'm sure the City government will not agree for our operation, I mean will not approve our business permit. We are still dependent on the local government.</i>	<i>Atty Edward Bauzon</i>
<i>Can I ask you this? What phase are you now? Phase 1 or Phase 2?</i>	<i>John Eyerman, Brgy. Manlayag</i>	<i>Phase 1 ta karon.</i>	<i>Atty Edward Bauzon</i>
<i>The moment your digging up, would there be hammering type of digging? Or your just going to use backhoes, large backhoes or what ever for ponding on the grounds to what kind of ponding is that, so as far as I'm concern with the noise, you might actually assess that it possess the vibration that everybody might feel it like an earthquake type of vibration.</i>	<i>John Eyerman, Brgy. Manlayag</i>	<i>As far as Citadel Mining is concern, in order to have an efficient operation, we will do what is just and right in order to have an efficient operation, what I mean is, if it is necessary to use a Jackhammer then we will use, if it is not necessary because backhoe is enough , because backhoes is just fine, actually Sir depending on the type of material, but this pozzolan is I think very soft, in fact we can use our hands in pulling this type of material, so for a large jackhammer it's overkill, in short it;s not necessary because eventhough our operation now is just a quarry operation we're having a smooth operation we just our backhoe, so no jackhammer was used unless we found some stone on it, meaning it's not pozzolan, it is stone.</i>	<i>Atty Edward Bauzon</i>
<i>Can you assess if you are gonna work 24 hours?</i>	<i>John Eyerman,</i>	<i>No, again, we will abide by the ordinance of the LGU, so if the LGU</i>	<i>Atty Edward Bauzon</i>

Issue/Concern	Parties Concerned	Resolutions/Agreement	Person Responded to the Issue Raised
	Brgy. Manlayag	will say that our operation will be from 8-5 only, the we will do that, because as much as possible we will not disturbed the peace and harmony of the neighborhood.	
In terms of your workers in general like a septic system to provide any kind of matter, are you going to provide a septic system to the quarry site? You mean a temporary septic system?	John Eyerman, Brgy. Manlayag	Yes sir, we are planning for a septic tank sir, we are going to build sir, and we will ensure that we have septic tank, then regular inspection na siya sir and if there is a leakage and contamination with the water. We will make sure that it will be build away from the water source na siya sir.	Engr. Joanna Rae Evangelista, Citadel
Will you be digging for water for yourself or will you be buying it outside, because this area is very poor in water as of now.	John Eyerman, Brgy. Manlayag	no digging is required sir because ther's a lot of water source, there's flowing water there and I think the government of Danao are also building their water connection to the Kabungahan. There's a lot of flowing water there, we also ask for the City government to deliver us water .	Engr. Joanna Rae Evangelista, Citadel
As far as the delivery is going will you be able to help the people have water too because of the dry season? Sometimes there's no water at all, so maybe your truck could donate water to the people.	John Eyerman, Brgy. Manlayag	Actually we have our SDMP Social Development Fund, so a part of that maybe we can set aside for giving water to the people.	Atty Edward Bauzon
Kaning mining distructive kaayo ni siya sa agriculture, So ang negative impact sa mining sa agriculture, in terms sa public naa jud na siyay impact but personally I am not against the quarrying or mining but I am advocate to responsible mining, kay kung dili ta muadvocate sa responsible mining tingali ug ang nahitabo sa Naga mahitabo sa diri sa Danao, tingalig ang basketan sa Cabungahan ug kapilya mubalhin na ngadto sa sapa. Nag take note man ko sa discussion duna koy wala masabti, ang area of coverage 336 has, unsa mani siya? nganong 102 raman, unya 336 has. man kaya ang coverage? for the purpose rani of presentationang 102 unya 14 years jud ang possible na icover, nganong kani raman siya ang i covered na halos pila ka percent raman ni siya sa area na giapplan.	Mario Mario T. Gorre, City Agriculture Office	Maayong buntag, ang ilang are is 336 has. before sila nag apply ug Ecc, nagpa explore sila sa area, buot pasabot nagpadrilling sila, duna silay geologist na nag evaluate,kung duna bay sulod ang tibuok na 300 plus hectares na area, ang ingon sa geologist 100 plus raman, gamay ra, dili tanang 300, so mao na ang gibasehan karon, mao na ang giapplan karon sa ECC kay mao ranay naay sulod, unya ang pagmina anang 100 plus karon kay dili na siya dungan, hinay-hinay na siya.	Engr. Edwin Ramirez
So sa socio-economic assessment sa gi run through dira sa slide wala ko	Mario T. Gorre, City	Ang maapektuhan na mga tanom, kung dunay maapektuhan na mga tanom,	Engr. Edwin Ramirez

Issue/Concern	Parties Concerned	Resolutions/Agreement	Person Responded to the Issue Raised
<i>makakita kung pila ka punuang manga ang maapektuhan, maibot or makuha tungod sa operation, pila kaya ka punuang lubi ang mga wala tungod sa operation, pila kaya ka punuang saging, pila sad kaya ka hektarang maisan ang maapektuhan tungod sa operation.</i>	<i>Agriculture Office</i>	<i>ang payment ana o bayad naka base na siya sa legal or sa taripa sa municipal. So sa karon ang na identify lang namo kay kanang 100 plus has. sa operation na siya required ma ang Citadel na mag submit sa 3 year work program, so naa silay isubmit na programa sa sulod sa 3 ka tuig, so dira sa 3 year work program dira na maidentify kung asa dapit ang ilang minahon so buot pasabot, every 3 years musubmit na sila ug programa sa MGB, unya ang MGB i evaluate na siya, unya didto na siya madetalye kung unsay maapektuhan na mga tanom.</i>	
	<i>Mario T. Gorre, City Agriculture Office</i>	<i>Kanang sa proposed study naa tay nakita sa plan na kung pila ka buok ang maapektuhan naa siya sa EIS module na report na pwede na madownload sa EMB pag ma final na, kasi nasa proseso pa po tayo.</i>	<i>Dr. Magallon</i>
<i>Naa ba tay inventory sa posibleng maapektuhan sa quarry?</i>	<i>Mario T. Gorre, City Agriculture Office</i>	<i>Ang final nato sir Mario I upload lang nato na sa atong system sa EIS sa Manila, makita didto ang inventory sa mga nakita nila na flora ug fauna unya kadtong inventory mao to ang possible na maapektuhan sa atong operation.</i>	<i>Atty. Monares</i>
<i>Maayong buntag, sa proponent nako ni I address naa bay laing mining site ang Citadel? Are there any other site aside sa inyong gipropose karon?</i>	<i>Eric P. Echavez II, CHO Danao</i>	<i>karon sir ang amoa lang jud na quarry sa may Kabungahan area ug sa may Sta. Rosa area ang among gioperate.</i>	<i>Engr. Joanna Rae Evangelista, Citadel</i>
<i>Unsay criteria sa public hearing? Kinahanglan jud ba adto sa site ang public hearing or away from the site?</i>	<i>Eric P. Echavez II, CHO Danao</i>	<i>Wala jud siyay specific Sir, kung isa lang ka barangagay sir, kung sa Cabungahan, adto lang jud didto sa Cabungahan, kung daghan na gani dira na sa munisipyo, sa gym or sa lugar na parehas ani.</i>	<i>Atty. Monares</i>
<i>Mangutana ko, enough lang ni na number sa representative sa public hearing o kinahanglan ug mas daghang tao sa public hearing, kay baranggay man gud.</i>	<i>Eric P. Echavez II, CHO Danao</i>	<i>di pud ta makaingon na representative jud ni sila kay sila lang man ang niari sa among imbitasyon.</i>	<i>Atty. Monares</i>
<i>Sa amoa sa health, kung naay problema didto man diritso ihapak diri sa amoa, ang problem lang man gud ang monitoring kung naay problema ihapak dayon sa amoa, so mangutana lang ko kung mag monitor mo, naa bay EMB</i>	<i>Eric P. Echavez II, CHO Danao</i>	<i>Naay monitoring pero dili jud siya mahibal-an ang frequency niya</i>	<i>Atty. Monares</i>

Issue/Concern	Parties Concerned	Resolutions/Agreement	Person Responded to the Issue Raised
<i>monitoring? how often the EMB monitoring?</i>			
<i>ang EMB monitoring man gud sir maapil lang sa EMB monitoring sa baranggay officials, ang sa LGU wala jud representative, maglibog ko kinsa bay representative sa LGU, nagamonitor ba ang baranggay sa panghitabo jud? Ako lang proposal sa EMB na iaapil ang City Health sa monitoring dili lang sa baranggay kay kung naay problema na mahitabo didto dili baya ang barangay ang mutubag didto baya diritsi ihapak sa City Health. So mao na ang among ipropose sa EMB na kung dunay mahitabo na monitoring iaapil ang City Health kay wala jud mi kalabutan.</i>	<i>Eric P. Echavez II, CHO Danao</i>	<i>So sa monitoring, naa man gud tay ginatawag na multipartite monitoring kuan na siya independent monitoring team, in fact wala nami labot dinhi sa EMB, so wala nami labot, atong ipatubag kay sie Edwin kinsa ang mga member sa MMT ug how frequent ang monitoring nato.</i>	<i>Atty. Monares</i>
		<i>Sa karon, sa part sa EMB naay siyay monitoring pero verification man siguro ang tawag, pero after maapprove ni sa ECC ang Citadel musubmit ug mga programa, ang mga programa ang mga social development program, ang environmental and enhancement program, pag naapprove yung EPEP nilang gitawag, giorganize ang gintawag nilang Mine rehabilitation Fund Committee, ang Mine committee ug fund committee daghan na siyag members, multi agency, naay LGU, naay representative sa Company, daghan ug members naa na siya sa administrative order for mines, unya sa ubos ana naa tay ginatawag na multipartite monitoring system, mao tong gimention ni Attorney, so diha na magsugod ang monitoring after maapprove ni siya ug after maapprove ang EPEP, most of the time iapil nila ang monitoring sa social development project kay naa mana silay commitment gihapon, required by law 1.5% sa ilahang operating cost ang kinahanglan gastuhon nila sa community, so ang mga project ang barangay ang muiidentify sa mga project, so naa mi mga workshop na himuon dependi sa mga affected barangay, unya ang membership sa multipartite monitoring team, duna nay</i>	<i>Engr. Edwin Ramirez</i>

Issue/Concern	Parties Concerned	Resolutions/Agreement	Person Responded to the Issue Raised
		<i>mga member gikan sa LGU, its either gikan sa City Health, City office, barangay, EMB, kana pud sa monitoring sa multipartite, ang EMB apilon na sila, naka schedule na kay commitment na nila yearly.</i>	
		<i>mupili ang LGU kung kinsa ang ilang ihatag na representative, most of the time yung City Health office ang ipadala, part na sa ilang commitment sa ECC sir na mucreate sila sa EMB lisod jud kaayo ang trabaho sa ECC mao nang dapat functional na ang iyahang multipartite monitoring team, part na sa ilahang commitment, part na sa provision sa ilang ECC na mucreate sila sa MMT, so if the LGU would want na paadtuon ang City Health, dili mi makapropose ana, basta ang LGU part jud siya sa monitoring, so if you want na ang City Health jud ang maging part ana, you can propose sa management kay naa man gud tay mandatory na members kung additional na, that's discretion na usab para sa company, pero kadtong mga nakabutang didto na mga mandatory members dapat naa jud to siya, kung gusto sa barangay ug sa LGU na naay additional they can propose subject to the approval sa management sa company.</i>	Atty. Monares
<i>so mahitabo man jud na sa hiring of people naa man jud mahire outside, so in terms of influx of people, there is a chance of influx sa mga sakit, so unsa may specific na programs ninyo? So mubalik napud ta sa barangay, unta kamo makabalo mo sa kung unsay epekto sa program, dili lang ta mag sigeg tando, tuod na muhatag kini ug income pero hunahunaon pud nato kung unsay impact, ako lang usbon na responsible ang barangay level kay usahay makalimtan man gud nila ang ilang responsibilities.</i>	Eric P. Echavez II, CHO Danao	<i>So pwede nato na ipropose, as long as there is SDMP, ang barangay mupropose na part ni sa ilang budget na 1.5% na naay health program, which is pwede ta makapropose, gawas sa livelihood, iapil pud ang mga health, pwede nato ipropose na naay mga regular checkup para maapil pud siya sa budget.</i>	Atty. Monares
<i>are this area already approved or you have other site if it doesn't approve, are you still going to mine if this area cannot be use or are you gonna transfer to other area?</i>	John Eyerman, Brgy. Manlayag	<i>the deposit in the site is specific, the 102 has. was identified inside the 4 barangays, so we can only say that there are other deposit in that barangay after we can explore the</i>	Engr. Ramirez

Issue/Concern	Parties Concerned	Resolutions/Agreement	Person Responded to the Issue Raised
		area, so right now we have explored the 4 barangays and it was proven that they have resources in that 4 barangay, and not necessarily the whole 4 barangay, just the 102 has., the areas was already explored and we already have the resources computed, the study was based on the resource presented to the company. if you're talking about the ECC it is still under process, that's why we are conducting this public hearing, and also the application to mine the area is also under process. It is included that the area applied is within the 4 barangays.	
<i>If this is the area you decided to settle on, people who are here now is just very small attendees, so are you going to go to the barangays and to have a different meeting in each barangay because I think people here is not enough, the captain can have a meeting with all the people.</i>	<i>John Eyerman, Brgy. Manlayag</i>	<i>before this public hearing was happen, we also have a public scooping, we communicated to the barangay about our plan, the company plan and the area covered by the proposed mining area of the Citadel, so this is an ongoing process and we started this last year, so we conducted the public scooping last year and we officially invited about 60 people all over that places, before the public scooping there was an open invitation for everybody to attend. we also conducted a Focus Group Discussion last year, and the public scooping conducted has an invitation for everybody to attend, so this is an ongoing process, ECC is only one of the requirements for the operation or in order to mine the area, so this is only one of the requirements.</i>	<i>Engr. Ramirez</i>
<i>So if you are not going to tell everybody that you are going to mine the area near their house, everybody will be shocked, the average person doesn't know about it.</i>	<i>John Eyerman, Brgy. Manlayag</i>	<i>It is not difficult because the day before we mine the area they must have to agree because there is a need to inform the people.</i>	<i>Engr. Ramirez</i>
	<i>John Eyerman, Brgy. Manlayag</i>	<i>actually for resettlement impact, actually we've been there for 5 years Quarry operation in cabungahan and I don't remember that there is one being relocated, so what I mean is for our project or before we are going to start a mining operation in that area we will see to it that it will not, although the place is approved, the company will see to it first that it will not involve a big cost, if an action to resettle or to relocate the certain neighborhood will</i>	<i>Atty. Bauzon</i>

Issue/Concern	Parties Concerned	Resolutions/Agreement	Person Responded to the Issue Raised
		<p><i>involve a big amount off course the company will not push through with that, we will look for another place where the impact is not that big. So kamong mga taga barangay, for those residence do not be afraid that you will be relocated once this is approved because the area is very big, the coverage we have is 102, and if ever, mostly of those relocated are the lot owner themselves, we will going to have a negotiation, if you are going to agree to be relocated because we are interested in your lot, if you want to be relocated we will pay this amount, so there will be a negotiation first, it is not automatic that "Oh you will be relocated because we are interested in your lot" so there will be negotiation, so if the lot owner will not allow us to for the to be relocated then we cannot do anything, because you have also your property right, as far as we are concern we have our right to do business but you also have your property right, so that should be expected.</i></p>	
<p><i>how the company do with the land titles, because the current residence are on their grandfathers name, so the land are mostly now on their heirs.</i></p>	<p><i>John Eyerman, Brgy. Manlayag</i></p>	<p><i>This lots there are being owned by or being in possession by this heirs, in fact there are lots there that are owned by at least 11 heirs of their ancestors, so just lacking one signature we will not proceed, that's the stand of the company, that's how responsible our company is, that as much as possible everybody must be heard especially the heirs.</i></p>	<p><i>Atty. Bauzon</i></p>
<p><i>Can I ask you where are those areas that you already quarrying?</i></p>	<p><i>John Eyerman, Brgy. Manlayag</i></p>	<p><i>The Cabungahan for Citadel Mining Corporation, this is the only site in Cebu, but we have other corporation, our sister company of Citadel Mining Corporation, this is located in Negros Oriental, we have there Silika Mining Corporation, I mean different materials here id pozzolan, there is silika, different materials but more or less same operation.</i></p>	<p><i>Atty. Bauzon</i></p>
<p><i>If you find other materials, can you share? 75-25?</i></p>	<p><i>John Eyerman, Brgy. Manlayag</i></p>	<p><i>we will be very happy if we will find some there, hopefully we can find some gold there.</i></p>	<p><i>Atty. Bauzon</i></p>

Issue/Concern	Parties Concerned	Resolutions/Agreement	Person Responded to the Issue Raised
<i>Suggestion lang sir, if maapprove ni na operation sir, I hope lang sir na ang time of travel sa inyong makuha na minerals kay dili lang unta itunong sa school hours kay for the safety of our students kay lisod na basig maligsan ang mga bata. So ang schedule sa pagsulod sa among mga bata is from 6:30- 7:30, unya 10:00-1:00, unya 4:15-4:30 mao na ang tinggawas sa mga bata.</i>	<i>Jomar A. Meca, Representative, Guinacot Integrated School</i>	<i>our time is 12-1, 4-5, Usahay maealy siya kay naa man mi gibutang na spotter didto na mag inform mo na naay early dismissal ang mga students, once na nag inform na naay early dismissal ang mga students, automatic na ko muingon na stop jud mi. Sa Guinacot area sir pwedi raman pud nimo i coordinate mi na naay early dismissal ang mga students para mainform mi na kinahanglan namo magpa stop sa among trucks.</i>	<i>Engr. Joanna Rae Evangelista, Citadel</i>
<i>Natural raman ng saba sa school noh kanang kay sir ug kay maa, basig lang pud madugangan, so palihog lang na dili unta magpabusina sa school</i>	<i>Jomar A. Meca, Representative, Guinacot Integrated School</i>	<i>kanang bawal jud na siya bisan sa LTO pana siya na semenar bawal jud na siya magpabusina kung naa sa skwelahan unya as a safety sa amoa na kinahanglan sad mi mubusina kung muagi mi ug mga blind spot, kay dira sa Cabungahan daghan man ug blind spot, ang amo lang gibuhat na i comply lang namo na marespetuhan sad ang silence sa skwelahan, para ma aware sad na naay padulong na truck, nagkuan nalang mi ug mga spotter, unya naa sad mi murag slight na busina, busina lang gud para muinform sad.</i>	<i>Engr. Joanna Rae Evangelista, Citadel</i>
<i>sa atng drivers dili lang unta makalimot sa ilahang trabaho, kay basig makalimot ba</i>	<i>Jomar A. Meca, Representative, Guinacot Integrated School</i>	<i>actually sir, naa man jud mi toolbox meeting before mi mag start sa among operation, mgparemind man mi sa rules and regulations sa ilaha, then open pud ang akoang line kung naay mga concerns, unya ang mga tao didto or mga trabahante nko open pud na sila kung naay mga concerns, pwedi na sila maduolan, iforward lang sa akoo kung naay mga immediate concerns sila.</i>	<i>Maam Jana</i>
<i>kanang sa abog ba, among mga classroom kay abog jud kaayo, unya among mga materials sa school ang kasagaran kagubaan kay dust.</i>	<i>Jomar A. Meca, Representative, Guinacot Integrated School</i>	<i>actually sir naa mi 3 ka water trucks na gibutang diri sa Cabungahan, one is for Our Lady, ang isa kay diri unya ang isa kay reserve kay di man jud na nato malikayan na usahay maguba, so nangita jud mi ug way jud na as much as possible everyday jud mi makabisbis , usahay magkuha pamig tubig so dili jud ni siya oras-oras kay usahay layo paman ang kuhaanan ug tubig. Basta ako jud na siyang gi maintain sir na naa jud everyday labi na kadtong area na abog jud kaayo, kanang area na</i>	<i>Maam Jana</i>

Issue/Concern	Parties Concerned	Resolutions/Agreement	Person Responded to the Issue Raised
		<i>kinahanglan jud bas-on, amo nang gi take note diri sir.</i>	
		<i>So ato lang I take note imong concern noh, so si Maam Jana siya man jud ang overall in-charge didto sa site, sir Jomar pwede raka mudiritso didto kay maam Jana para muhatag sa inyong schedule, pwede pud ka mudiritso ug reklamo kay Maam Jana, so Maam Jana pwede raka muhatag ug number sa ilaha. pwede raka mudool sa ilaha huh para mureklamo kung abog najud kaayo.</i>	Atty. Monarez
<i>to clarified things out before I started working at the barangay the operation is already there so pag-abot na nako, when I was being elected nangita nami sa agreement sa mga previous officials, so gihangyo namo ang Citadel na mu sit in sa among session, so nangayo mi ug terms and conditions sa Citadel Mining, so gibuhad sad namo ang among part as barangay officials, para ma check sad namo kung ok ba ang mining site ug wala bay bias, so nagbuhat sad mi sa among responsibilidad, so our concern is just sama sa giingon ni sir na unta dili lang sila makalimot sa ilahang part ug responsibilidad, the question is what you will do after the negotiation?</i>	Darlene Mae K. Batican, Brgy. Captain - Cabungahan	<i>rehabilitation sa mga guba na roads, kami sa Citadel Mining Corporation is a private company, so dili na automatic, so kug aduna may maguba na dalan, dili na automatic na mag-ayo dayon, na magbuhat dayon mi ug construction ug repair, kinahanglan pa makigcoordinate sa City government unya muana sila na we are reliable nga magbuhat ug repair sa kana na roads because of the damage, then that would be the time na amo na siyang aksyonan, there was a time na naa unta mi ayuhon na road, pero murag nitaas man nuon ang proseso because unang-una, road is own by the government, dili mi automatic na muconduct ug mga drainage dira, magsemento mi, pero pag muingon ang City mismo na kinahanglan ug maintenance then that's not a problem, we can allocate some sa kadtong 1.5% na safety namo para i allocate nato sa road maintenance and repair, pwede nato na siya i allocate didto, but off course with the coordination gihapon na siya sa City government, kay ang City man jud ang atong pananghiran before any construction dira sa inyong mga dalan, consultation off course barangay gihapon.</i>	Atty. Bauzon
<i>naa koy pangutana sa inyo, kay kanang nagoperate naman diay ang Citadel sa issue sa siltation di sa atoang dagat, wala ko kabantay sa siltation pond sa pagkakaran, asa man ang inyong siltation pond? Kung naa pwede ba nato tan-awon?</i>	Mario T. Gorre, City Agriculture Office	<i>requirement jud na siya sa Governor na naa mi siltation pond, for at least 2-3 ponds, so karon sir kanang siltation ponds naa jud nay times na matabunan jud na siya so dili jud na siya visible ba, dili jud na siya constant amo jud na siya pirmi I return ba, so ang location ana sir kay naa na siya sa amoang</i>	Engr. Joanna Rae Evangelista, Citadel

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		quarry site, pwede rajud a muvisit sa amoang site sir, ingnan lang pud ko ninyo para madala tamo didto sa taas, ang quarry sir is open jud na siya na mavisit sa any government officials, iinform lang jud mi sir kay naa man pud mi mga safety rules para dili pud ta maaksidente. ang provincial government sir kay naa man jud na silay mga files, mga oath files, pictures, kay regular man jud na ang ilang pag monitor sa site. naa man pud na sa code and ethics sa among company na responsible mining.	
naa lang koy I clarify, kanang pila namo ka years naga quarry?	Eric P. Echavez II, CHO Danao	Actually the company is owned before, as far as I remember owned by Calderon, so the present owner is bag-o lang mi, the Citadel, the present owner is bag-o lang.	Atty. Bauzon
kanang 10 years operation kanus-a na siya magsugod?	Mario T. Gorre, City Agriculture Office	once the operation will be approved, pero naa nami dira karon, quarry operation lang, ma large scale mana siya once na maapprove kana siyang naa diha karon is small scale rana which is quarry operation.	Atty. Bauzon
kanang mining operation ninyo karon, unsa may health program ninyo ana? Naa moy existing? Pwede mi mutan-aw?	Eric P. Echavez II, CHO Danao	atong I check sa office sir. I klaro lang nato sir.	Atty. Bauzon
wala mahimo ang mga ultimo, kay ngano man? kai ang mismong mga tag iya sa yuta misugit man, ug bisan gani naa mi among mga reklamo, wala mi mahimo. Bitaw sir noh, bisan daghan ug mga reklamo na nahitabo wala mi mahimo, kay mismong tag-iya sa yuta nisugot man, kay kami mismong lumulupyo lang wala mi mahimo. ang akong hanyo lang jud unta dili me kalimtan sa mga taga Citadel. Akong iduso lang pud kadtong gisulti ni sir Mario na basig kadtong among basketball court sa Cabungahan apil napud ang kapelya na matuwad nalang pud dinha, mao jud na ang among concern sukad pa sa unang public hearing hangtud sa ikaduha, kay mao sad na ang akong gikabalak-an, kay ang kadtong sa mga kalsada, sa mga bata kay inyoha naman jud na natagad ug sa kanang sulbad, kay	Yolanda G. Batucan, President of Women's Association	Murag nasayup to imong pagtoo maam na wala moy mabuhat kay ang tag-iya sa yuta nisugot. Actually naa moy mabuhat because you have your mayor, you can go to your mayor, aron sila ang ma caught sa attention sa nag-operate kay naa moy kakampi ang ECC, so ang agency na nag issue sa ECC pwede nila ipa cancel, so naa jud tay mabuhat. as per sa kadtong basketball court ug kanang kapelya dira, kung possible na mablahin, kung ato man jud nang ipablahin, mananghid jud mi sa inyohang tanan, sa kanang mga association, sa mga lot owner, sa barangay, mananghid jud ta, kay kung musugot mo ato ng ibalhin diri, so mananghid ta ana, dili ta didritso na mupapahawa, dili na pasabot na kung naapprove nami mangharass nami didto ang Citadel, mangapreso mi kung mag-ing-ana mi.	Atty. Bauzon

Issue/Concern	Parties Concerned	Resolutions/Agreement	Person Responded to the Issue Raised
<i>kanang time sa tingsulod ug tinggawas sa mga bata kay wala naman sad mo naghauling, kanang maayo man inyong pag-atiman namo, mao lang sad na na butang ang akong gikabalak-an, kay mismong tag-iya sa yuta misugot man, mao lang jud na siya.</i>			
<i>Pila kabuok na personnel ang naa sa Citadel? Pila mo kabuok na staff tanan?</i>	<i>Eric P. Echavez II, CHO Danao</i>	<i>under sa Citadel sir bali 3 regulars didto, naa sa 30personnel ang trucktor operator. , then naa mi mga barangay spotters na gipanguha, under sa project sa Citadel sir naa mi sa mga 15, gamay lang for small scale.</i>	<i>Engr. Joanna Rae Evangelista, Citadel</i>
<i>kadtong mga personnel ninyo taga Danao?</i>	<i>Eric P. Echavez II, CHO Danao</i>	<i>naa me experts nga gikuha sir, kadtong mga nagrequired jud ug mga skills, nagkuha jud mi ug mga fit ana na posisyon. Naa sad mi mga operators na gikan sa Danao Sir, pero naa jud silay qualifications, naa silay NC II, naay silay Health card, kay trucktor operator mana sila sir so giprovidedan sad sila sa ilang amo ana.</i>	<i>Engr. Joanna Rae Evangelista, Citadel</i>
<i>so naa moy sariling hospital?</i>	<i>Eric P. Echavez II, CHO Danao</i>	<i>nag tie up rami ug mga hospitals sir, mga nurses, wala jud mi sa amoa na on site kay requirements man sad na siya sir.</i>	<i>Engr. Joanna Rae Evangelista, Citadel</i>
<i>dob you have a expected starting? The date do you expected to start?</i>	<i>John Eyerman, Brgy. Manlayag</i>	<i>no sir. It all depends on the approval of the ECC, which will be endorse to the secretary of the DENR for the final approval, so there is no definite date, unless they will approve it . As far as the company concern, we will be happy to, it all depends on the government, for us, the earlier the better. we still need the approval of the government.</i>	
<i>when are you going to start if it is approved?</i>	<i>John Eyerman, Brgy. Manlayag</i>	<i>we will still have to figure a lot of things out, it still have a lot of things to be done, we still have to pack up and prepare some of our equipment , it will maybe take 6 months after approval.</i>	
<i>mostly kanang dira sa may sapa, naga-abang ra baya mi sa mga yuta dira may katungod ba mi na mga barangay officials na mamadlong sa mga spotters, kay usahay magligoy-ligoy man gud na sila, maikog sad mi na mupapahawa nila kay nag-abang mi sa ilang yuta</i>	<i>Pilar B. Remo, Brgy. Secretary of Guinacot</i>	<i>pwede kaayo maam kay kamo mas ang nakabalo, nakaila sa inyong mga tao, mas ok jud na kamo mismo nakaila, ug tagaan mi ninyo ug mga background kung unsa jud na sila, tabang sad mo ug kanang badlong ana nila ba. Naa man jud mga instance ana maam na mga anak sa owner na nagpabadlong, na amo jud gitangtang sa trabaho.</i>	<i>Engr. Joanna Rae Evangelista, Citadel</i>

Annex F
Photo Documentation



Venue of Public Hearing at Coco Palms Resort, Danao City, Cebu.



Registration of Public Hearing Participants.



The Participants of Public Hearing.



Ms. Kyeth Bontia, Senior EMS of DENR-EMB 7 oriented the participants on the purpose of Public Hearing.



Atty. Unalee Monares presented the rules in the conduct of Public Hearing.



Dr. Silverio V. Magallon, Jr. presented the project details and the results of EIA study



Atty. Unalee Monares presided the open forum as Public Hearing Officer.



Mr. John Eyerman, community representative from Barangay Manlayag expressed some issues and concerns on quarrying operation designs and others.



Dr. Eric P. Echavez, City Health Officer, raised some concerns on health.



Mr. Jomar A. Meca, representative of Guinacot Integrated School, expresses his concerns about the safety and security of their students.



Mr. Mario T. Gorre of City Agriculture Office asked about possible effects of the project to agriculture sector.



Atty. Edward Bauzon of Citadel Mining Corporation responded to some queries of the participants.



Darlene Mae K. Batican, Brgy. Captain of Cabungahan clarified the negotiation issue.



Engr. Edwin Ramirez, EIS Consultant, answer some questions of the participants.