

PUBLIC HEARING REPORT

EXPANSION OF SILICA QUARRY OF THE HEIRS
OF ARTURO ZAYCO UNDER MPSA NO. 218-
2005-VII



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INTRODUCTION

Project: Expansion of Silica Quarry of the Heirs of Arturo Zayco (HAZ) under Mineral Production Sharing Agreement No. 218-2005-VII

Activity: Conduct of Public Hearing

Location: Ayungon Gymnasium, Municipality of Ayungon, Negros Oriental

Precis:

Environmental Management Bureau Central Office led the 1-day Public Hearing in the Ayungon Gymnasium, Municipality of Ayungon, Negros Oriental last November 7, 2019. This activity is necessary for the project to achieve the following objectives:

- ✓ To comply with the requirements of the ECC Application as stated in DAO-03-30 and DAO 2017-15.
- ✓ To ascertain the stakeholders' and public's concerns regarding the impacts of the project were considered in the EIA study.

The results from this activity will be included in the deliverable, **Environmental Performance Report and Management Plan**, to be submitted to the Environmental Management Bureau.

Background:

Public Hearing will be conducted to ascertain the stakeholders' and public's concerns regarding the impacts of the project were considered in the EIA study. The activity will be facilitated by the Environmental Management Bureau- Central Office on November 7, 2019 at Ayungon Gymnasium, Municipality of Ayungon, Negros Oriental. The flow of activity is shown below:

Time	Activity	In-Charge
8:00-9:00 AM	Registration	HRDC
9:00-9:30 AM	Invocation	Pastor Pedro C. Eladio, Ayungon
	National Anthem	HRDC
	Opening Remarks	Cilor P. Guevarra, HRDC
	Brief Presentation on the Purpose of the Public Hearing/EIA Process	Xairus De Guzman, EMB
	Rules on the Conduct of Public Hearing	Atty. John Edward Ang
9:30-10:00 AM	Presentation on the description of the Project including alternatives	Edgar Aoyoma, HRDC
	Presentation of the EIA Study process and results	Dr. Honorato Palis, BII Dr. Merlyn Rivera, BII
10:00-12:00 NN	Open Forum	Atty. John Edward Ang, EMB
12:00-12:45 PM	Lunch Break	
12:45-1:45 PM	Open Forum (Continuation)	Atty. John Edward Ang, EMB
1:45-2:30 PM	Recapitulation of issues raised and the proponent's response	Atty. John Edward Ang, EMB
	Next Steps/Way Forward	Carl Santiago, EMB

ISSUES AND CONCERNS RAISED DURING THE PUBLIC HEARING

Project Name	Expansion of the Silica Quarry of the Heirs of Arturo Zayco under Mineral Production Sharing Agreement No. 218-2005-VII	Name of Proponent	Heirs of Arturo Zayco (HAZ)
Commodity	Silica	Address	69 San Agustin Street, Capitol 8, Pasig City, Metro Manila
Project Location	Barangay Maaslum, Ayungon, Negros Oriental	Authorized signatory/ Representative	Mr. Alfredo F. San Miguel Attorney-In-Fact
Project Area	505.4626 hectares	Contact Details	+632 671-6744
Permit	MPSA 218-2005-VII	Name of Preparer	Berkman International Inc.
Existing ECC Coverage	ECC 701-08-23-0135303 for 10 hectares	Address	Room 301, ALCCO Bldg., Ortigas Avenue, Greenhills, San Juan City
Proposed ECC Coverage	50 hectares	Authorized signatory/ Representative	Ms. Angela R. Tiangco Executive Vice President
Project Type/Nature	Silica Mining	Contact Details	(02) 721-9123 / (02) 721 - 4219 art@berkmaninternational.com
Existing Scale of Production	125,000 MT per year	Place of Public Hearing	Ayungon Gymnasium, Municipality of Ayungon, Negros Oriental
Proposed Scale of Production	625,000 MT per year	Date of Public Hearing	November 7, 2019

EIA MODULE	ISSUES AND SUGGESTIONS RAISED BY STAKEHOLDERS	SECTOR OR REPRESENTATIVE WHO RAISED THE ISSUE/SUGGESTION	PROONENT'S RESPONSE
People	Our house is located 100 meters away from the warehouse where their products are being stored. When stockpiles arrived, the dust will be blown towards our house which have negatively affected our health. This problem has been a burden to us for quite a long time now and this is the only	Felix Dapis, Brgy. Anibong	Mr. Cilor Gueverra, HRDC: Your issue about the dust is not within our area. Our stockpile is located in Brgy. Calagcalag and not in Brgy. Tampocon. You can relay your concern through your Barangay Captain for them to address it to the operator who handles the stockpiles in Tampocon.

EIA MODULE	ISSUES AND SUGGESTIONS RAISED BY STAKEHOLDERS	SECTOR OR REPRESENTATIVE WHO RAISED THE ISSUE/SUGGESTION	PROPONENT'S RESPONSE
	opportunity that we can brought this up and help us put an end to our problem. We are hoping you could help us.		
People	We are proud to have a town who can produce silica. With this, our town quickly become a rich town in Negros Oriental. The Holcim and SIRC has been operating for quite some time now. Using silica mined in Brgy. Maaslum within the areas of Heirs of Arturo Zayco with an MPSA 218-2005-VII. We did not receive a single centavos coming from the National Budget. With this reason, I am not in favor with your petition for expansion. If we know, that the Municipality of Ayungon have received taxes, then that will only be the time we will allow the expansion to run smoothly.	Honorato Amancio, Brgy. Tampocon I	Mr. Cilor Gueverra, HRDC: As far as I know I got a feedback that the LGU, the 40% share of the tax was already received. For the barangay of Maaslum, it is more than P500,000 share. For the Municipality of Ayungon is about P600,000. We pay our taxes regularly, but the only problem is that the government is not actively disseminating the money to the municipalities. If they just allow us to pay it directly to the LGU, we are more than happy to pay the money.
Water	We are thankful that we were given the opportunity to attend this public hearing activity and will be able to voice out our concern. Because our barangay was also affected by the project. As per my observation, years ago when I first came to this barangay, the river is so deep unlike now. This was because of the discharge waste coming from the quarry. The river became shallow and once it rains, the river tends to overflow and it cause flooding in our Barangay.	Charles Andaya, Brgy. Poblacion	Mr. Cilor Gueverra, HRDC: We cannot say that the siltations fromt the river came from our operation only. But we will try to discuss this with MGB during our MMT meetings. If they can consider the other barangays that were affected by our operation to be included in the SDMP programs.

EIA MODULE	ISSUES AND SUGGESTIONS RAISED BY STAKEHOLDERS	SECTOR OR REPRESENTATIVE WHO RAISED THE ISSUE/SUGGESTION	PROPONENT'S RESPONSE
People	<p>What actions the mining company plans to do in regards with the worsening of road conditions of the affected barangays that is being used by their trucks and other mining equipments to transport silica?</p> <p>Also, the frequent watering of the road is one the reason for the bad road condition and also causes incidents for motorcycle riders.</p>	Rowena Rivero, DPWH-NOFDEO, Bindoy	<p>Mr. Cilor Gueverra, HRDC: The wet roads was not done by us but by the mining operating in Tampocon I. We will consider adapting high pressure for cleaning our tire tracks to lessen the mud in the roads.</p> <p>We will make sure the Holcim Resources and the Silica Resources will work together to prevent the accidents happening along the road. Safety is our first priority in our business.</p>
Water	<p>My concern is regarding our dam in Barangay Maaslum, whenever there is flood in our area, the silica that comes from the quarry flows through there irrigation then to the dam. Specially now, because of the rainy season, they would need to open the passages of the dam to prevent it from overflowing. And we have proof to support our statement about the flood.</p> <p>Also what is the difference between small-scale and large scale mining?</p>	Ariel Capilla, Tampocon Farmers Irrigation Association	<p>Mr. Cilor Gueverra, HRDC: To answer your last question, once our ECC is approved we will large-scale mining. Small-scale are only limited to 5 hectares and 50,000 MT per year. They only need permit to operate.</p> <p>For your first question, we will design our quarry area to make sure there will be no siltation in the dam. We will also include this to our plans. That is our difference to small-scale miners, they don't have public consultation like this. We follow a process and it takes us more than 5 years to complete the process to get the necessary ECC.</p>
People	It's nice to hear the idea of having lots of huge infrastructures, but the question is what infrastructures are you referring	Joseph Calumba, Brgy. Gomentoc	<p>Mr. Cilor Gueverra, HRDC: We will include that your concern in our study, we will make sure before</p>

EIA MODULE	ISSUES AND SUGGESTIONS RAISED BY STAKEHOLDERS	SECTOR OR REPRESENTATIVE WHO RAISED THE ISSUE/SUGGESTION	PROPONENT'S RESPONSE
	to? Are the concrete roads considered as a big infrastructure? In fact only a small amount of vat is used up for this?		our operation starts we already have an action or mitigation plan.
People	<p>I suggest that the company provides a truck that has a vacuum in it that would absorb the dust preventing it from spreading.</p> <p>I also suggest, if possible, to provide a school bus for their barangay. Since they have a huge population, once the bus from Brgy. Maaslum reach their barangay the bus is already full.</p>	Eldred Dayupay, GFIA-Brgy. Gomentoc	<p>Mr. Cilor Gueverra, HRDC: That's a good suggestion. We are planning to include it in our plans.</p> <p>We will talk to MGB to include this to our SDMP projects. Since MGB is the one who approves what project we should implement for SDMP.</p>
People	Holcim and SIRC promised for improvement and prosperity of the barangay but until now no action was done. You only care about their own well-being and not the welfare of the people. You supposed to help the poor but you don't. Instead of picking some laborers in the community, you prefer workers from other places.	Leo Martinez, Brgy. Maaslum	
Water	In Barangay Gomentoc, we have Tilapia aquaculture. We are back to back champion last 2011 or 2012. One time put some Tilapia fingerlings in the river so it can help people to use this for livelihood. Our concern is if you can study the water in Maaslum River?	Fodario Dialino, Brgy. Gomentoc	Mr. Cilor Gueverra, HRDC: Based on the study conducted, Maaslum river is acidic so it will be hard for the tilapia to thrive in the river or it might be harmful for the people.

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Land, Water, Air, People	<p>Before this project started you promised us that you will protect our water, land and air but unfortunately none of this was done. Our water was not protected, it is now contaminated. The air is also polluted and for land, our road condition has worsened which caused by your trucks. You also promised infrastructures and said you would help protect the people but all of that are false hopes. We will approve the expansion only if you will fulfill your promises and fix the road from our barangay to the quarry.</p> <p>This is for Sir Edgar, the problem about the delay on the payment of tax. From the start of the project up to this moment, they haven't received any tax contrary to the rumors that they have been enjoying the money from the tax.</p> <p>Another is that most of the people in Barangay Maaslum are unemployed. Employment for the people was promised but only 13 were accepted. How about the others who were not able to study and earn a degree? Aren't they entitled for a job? They also need to earn for them to be able to eat. So I am requesting the company to implement a</p>	Sandra C. Cadiente, Brgy. Maaslum	<p>Mr. Cilor Gueverra, HRDC:</p> <p>With regards with the Silica Resources, as our contractor, we will review their performance because they have deliverables for us so with those concerns we will have to look on their performance.</p>

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	<p>livelihood program which will give jobs to the people of Barangay Maaslum. Even if they do it one step at a time as long as we can see the improvement.</p> <p>Honestly, we have no problem with HAZ and Holcim. The problem is your service contractor, SI.</p>		
People	<p>I do not agree with the presented positive outcome of the project to the community. Because on my observation, there are no positive result at all. Actually it's even giving more burdens to the people especially to the motor cycle riders because they find it hard to pass through, especially when they meet the company's trucks halfway on the road. And Edgar's statement regarding the 17 thousand trees that they have planted. Yes they have planted 17 thousand trees but only a few survived and grown. Lastly, his main concern which is the problem of all the landowners. During rainy season when it floods, sands from the quarry are being washed out to their farmland and there are no actions was done. The land owners had no choice but to clean and remove the sand on their own. This become a burden for a long time and until now no actions were done.</p>	Claudio Medez, Barangay Maaslum	<p>Edgar Aoyoma, HRDC: The benefits that was presented earlier was based on the actual outcome of the project from the taxes to the expenses of SDMP. Now the problem about the silica and the sand from the quarry that is washed out to the farmlands. Last year the MMT created a project and installed culverts to divert the silica and the sand and prevent it from going to the farms. However, if this solution was not effective, we have to redo it and put bigger culverts to stop the sands from getting into the farmlands. I'm sorry MMT and I was not able to look into this situation. And as for the benefits to the land owners, a certain land owners could only demand something from the company if it is located within the mined area because they will be given royalty pay.</p> <p>Mr. Cilor Gueverra, HRDC:</p>

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			<p>In regards to the problem on the road, we will advise our operators stop and pull over to give way for the motorcycle riders. Actually, before they started their operations in the area way back 2012-2013 they did tried talking to some of the land owners for a road expansion but unfortunately they failed. If only the land owners approved it, they won't be facing any issue right now. But then again, to solve the problem they commanded Sir Edgar to tell their truck drivers to immediately pull over whenever they came across with some motorcycle riders along the way.</p> <p>If ever this incident happens again, that the sand coming from the mining had been washed to their farmlands, they are given the right to demand to the company for the damages. And this would only apply if the said incident was caused by the company operation.</p>
People	I am suggesting for the issues raised, the company should already take actions whenever problems arises before people complains. We just want the company to fix the road from the quarry site up to the highway. To lessen the issues regarding the dust.	Saturnino G. Cabual, Brgy. Maaslum	<p>Mr. Cilor Gueverra, HRDC: Why only 50 hectares? It is because the Feasibility study we conducted is limited only to 50 hectares. MGB or EMB will not allow us to apply for the 505 hectares without the feasibility study. But we computed the 50</p>

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	<p>I also like to ask Berkman, why the processing of ECC is long. It's been 5 years already. I hope this will be the final activity to be conducted.</p> <p>Lastly, I want to ask why we are expanding it only up to 50 hectares. Why not up to 505 hectares?</p>		<p>hectares and it will take us more than 100 years to consume all the 50 hectares. For the remaining 450 hectares will remain untouched. We cannot open a large area because of its impact to the environment.</p>
People	<p>If the company can also pay the extraction fee in the provincial office. Instead of DBM who shares the tax nationally. We in the province can divide the fee, 40% goes to the barangay, 30% goes to the municipality and 30% goes to the Province.</p>	Jay Mananquil, ENRD, Province of Negros Oriental	<p>Atty. John Edward Ang, Public Hearing Officer: We will communicate this with the concerning agencies.</p>
People	<p>Our school is located near the road where your trucks usually pass by when delivering their products. 3 years ago, our school has conducted a research on what negative effects of dust to the pupil and the other children living beside the road. As per the research it was found out that the dust coming from the silica could cause silicosis or lung disease. Now, we are appealing to the company to provide a private doctor that can check on the students and other children affected by the dust in Barangay Maaslum.</p>	Arnold Academia, Ayungon National Highschool	<p>Mr. Cilor Gueverra, HRDC: We will take note of your concern, and discuss this with our president.</p>

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People	I agree with the presenter, that there are no people living within the mining area. But on the other hand, a lot of people are being affected due to the dust coming from the silica and when they deliver them from the mining area to their stockpile. What could the company do to help the people who are getting sick and suffered from the effects like dry skin? If possible, I suggest maybe they could cover their stockpile when travelling and have their trucks tire sprayed with water before entering the national road.	Rowena Rivero, DPWH-NOFDEO, Bindoy	Mr. Cilor Gueverra, HRDC: We will consider that, Ma'am. But let me clarify that stockpile located in Tampocon is not ours.

PHOTO DOCUMENTATION



Fig. 1. Participants register for the Public Hearing.



Fig. 2. Participants during the Public Hearing.



Fig. 3. Mr. Xairus De Guzman, EMB Central, facilitated the public hearing activity.



Fig. 4. Participants during the discussion of the purpose of public hearing and EIA process.



Fig. 5. Mr. Xairus De Guzman discussing the EIA process.



Fig. 6. Atty. John Edward Ang, Public Hearing Officer, discussing the rules of the activity.



Fig. 7. Mr. Edgar Aoyoma, HRDC, discussing the Project Description.



Fig. 8. Dr. Merlyn Rivera, BII Socio-Economic Specialist, discussing the EIA Study.



Fig. 9. Dr. Honorato Palis, BII Environmental Specialist, discussing the EIA Study.



Fig. 10. Mr. Felix Dapis, raising his concerns regarding the project.



Fig. 11. Mr. Honorato Amancio, raising his concerns regarding the project.



Fig. 12. Mr. Charles Andaya, raising his concerns regarding the project.



Fig. 13. Ms. Rowena Rivero, raising her concerns regarding the project.



Fig. 14. Mr. Ariel Capilla, raising his concerns regarding the project.



Fig. 15. Mr. Joseph Calumba, raising his concerns regarding the project.



Fig. 16. Mr. Eldred Dayupay, raising his concerns regarding the project.



Fig. 17. Mr. Cilor Guevarra answers issues and concerns of the people.



Fig. 18. Mr. Leo Martinez, raising his concerns regarding the project.



Fig. 19. Mr. Fodario Dialino, raising his concerns regarding the project.



Fig. 20. Ms. Sandra C. Cadiente, raising her concerns regarding the project.



Fig. 21. Mr. Claudio Medez raising his concerns regarding the project.



Fig. 22. Mr. Edgar answers issues and concerns of the people.



Fig. 23. Mr. Saturnino G. Cabual, raising his concerns regarding the project.



Fig. 24. Mr. Jay Mananquil, raising his concerns regarding the project.



Fig. 25. Mr. Arnold Academia, raising his concerns regarding the project.



Fig. 26. Ms. Rowena Rivero, raising her concerns regarding the project.



Fig. 27. Atty. Ang wrapping up the open forum.



Fig. 28. Mr. Carl Santiago presenting the next steps of the application.



Fig. 29. Tarpaulin posted outside the venue.

PROOF OF PUBLICATION OF NOTICE IN NEWSPAPER

REPUBLIC OF THE PHILIPPINES)
CITY OF MAKATI) S.S.

AFFIDAVIT OF PUBLICATION

I, DONALEA B. POLICAR, of legal age with business address at MRP Bldg., Mola St. cor. Pasong Tirad St., Makati City, Philippines after being duly sworn in accordance with law, deposes and says:

1. That I am the Editor in Chief of BANDERA, a newspaper of general circulation in the Philippines published by Inquirer Publications, Inc., printed and published in Makati City, Metro Manila, Philippines.

Republic of the Philippines
Department of Environment and Natural Resources
ENVIRONMENTAL MANAGEMENT BUREAU
DENR Compound, Watson Avenue, Ortigas Center City 1118
Telephone Nos. (02) 827-1517, 828-5725; Fax No. (02) 828-5725
Website: <http://www.emb.gov.ph>

NOTICE OF PUBLIC HEARING

On the ENVIRONMENTAL IMPACT STATEMENT (EIS) of the proposed EXPANSION OF THE SILICA QUARRY OF THE HEIRS OF ARTURO ZAYCO (HAZ) located in BARANGAY MAASLUM, MUNICIPALITY OF AYUNGON, PROVINCE OF NEGROS ORIENTAL.

Notice is hereby given to all parties who wish to give their opinion regarding the implementation of the proposed EXPANSION OF THE SILICA QUARRY PROJECT to attend a Public Hearing on 07 NOVEMBER 2019 (THURSDAY) at 9:00 AM (registration starts at 08:00 am) to be held in the AYUNGON GYMNASIUM, MUNICIPALITY OF AYUNGON, PROVINCE OF NEGROS ORIENTAL.

The Public Hearing is being conducted in connection with HAZ's application for the amendment of its Environmental Compliance Certificate (ECC). The EIS of the aforementioned project is being reviewed by the Environmental Management Bureau (EMB) of the Department of Environment and Natural Resources (DENR).

The Proposed Expansion of the Silica Quarry of the Heirs of Arturo Zayco (HAZ) under Mineral Production Sharing Agreement (MPSA) No. 215-2005-VII was initiated to contribute in the country's nation building program through mining of silica for the cement industry. Without cement, vertical and horizontal infrastructure and superstructure and superstructure would not be possible.

Basic Project Information:

Proprietor	Heirs of Arturo Zayco (HAZ)
Project Name	Expansion of the Silica Quarry Project
Project Location	Barangay Maaslum, Municipality of Ayungon, Province of Negros Oriental
Existing ECC Coverage	10 hectares
Existing Production Capacity	125,316.84 MTPY of silica
Proposed ECC Coverage	50 hectares
Proposed Production Capacity	625,000 MTPY of silica

All interested parties who wish to attend or participate in this Public Hearing should preferably confirm their attendance/ participation and may give their opinion(s) in a concise position paper to the ENVIRONMENTAL IMPACT ASSESSMENT AND MANAGEMENT DIVISION (EIAMD) of this Office through mail or through email at eiamd.emb@gmail.com three (3) days before the Public Hearing schedule. Those who will not be able to register or submit written positions may be given the opportunity to share their issues on the day of the hearing itself.

The project's EIS and Executive Summary for the Public are downloadable at our website: www.eia.emb.gov.ph (kindly access the Notice of Public Hearing/ Consultation link found in our website) while copies will be available in this Office and in the following offices:

- 1) EMB Region VII
Address: Mandana City, Cebu
Telephone Nos.: (032) 345 3905
- 2) Ayungon Municipal Planning and Development Office - Municipality of Ayungon

For more details, please contact the EIAMD Division at this Office at telephone number (02) 926-2240 to 41 and look for the project case handler Mr. Xairus Rey Gumans and Mr. Carl Louis Santiago.

Protect the environment... Protect life...

(Bandera - October 23 & 30, 2019)

That at the order of Department of
Environment and Natural Resources,
Environmental Management Bureau

NOTICE OF PUBLIC HEARING:
EXPANSION OF THE SILICA QUARRY OF
THE HEIRS OF ARTURO ZAYCO (HAZ)

dated _____
text of which would be described as follows:

AS PER ATTACHED


had been published in BANDERA in its
issue/issues of:

October 23 & 30, 2019

Affiant Further Sayeth
Naught, Makati Philippines _____


DONALEA B. POLICAR
Affiant

SUBSCRIBED AND SWORN to before me
this OCT 30 2019 day at Makati City
PHILIPPINES, affiant exhibited to me his/her
SSS ID. No. 33-2832413-5.


ATTY. JOSHUA P. LAPUZ
Notary Public Makati City
Until Dec. 31, 2019
Appointment No. M-82-(2019-2020)
PTR No. 7333096 Jan. 3, 2019/ Makati
IBP Lifetime No. 04897 Roll No. 45790
MCLE Compliance No. VI-0016565
G/F Fedman Bldg., 199 Salcedo St.
Legaspi Village, Makati City

Doc. No. 120
Page No. 25
Book No. 273
Series of 2019

TRANSCRIPTION OF THE PROCEEDINGS

Felix Dapis, Brgy. Anibong: Ang among balay 100 meters gikan sa stockan sa ilang produkto. Karon sa panahon nga mag-stock sila, kadugayan mu-mala na siya unya mamahimong abog. Unya huyopon sa hangin ang abog padulong sa among balay ug makahatag ug dili maayong epekto sa among panglawas. Dugay na ni nga among problema sa abog ug karon lang mi natagan higayon kay naa man mo dria para mapaabot ang among reklamo ug unta mahunong na ni nga among problema sa abog.

HRDC: Sir, yung pong aming stockpile wala po sa Tampocon, ang amin po ay nasa Calagcalag. Kaya po ang concern niyo po ay dapat sa operator ng Tampocon. Ang concern niyo po ay pwede po idaan sa kapitan para marelay po nila sa operator ng Tampocon.

Honorato Amancio, Brgy. Tampocon I: We are proud to have a town who can produce silica. With this, our town quickly become a rich town in Negros Oriental. The Holcim and SIRC has been operating for quite some time now. Using silica mined in Brgy. Maaslum within the areas of Heirs of Arturo Zayco with an MPSA 218-2005-VII. We did not receive a single centavos coming from the National Budget. With this reason, I am not in favor with your petition for expansion. If we know, that the Municipality of Ayungon have received taxes, then that will only be the time we will allow the expansion to run smoothly.

HRDC: Maraming Salamat Sir sa inyong question. As far as I know I got a feedback that the LGU, the 40% share of the tax was already received. For the barangay of Maaslum, is more than P500,000 share. For the Municipality of Ayungon is about P600,000. Yun po yung huling feedback ko sa may kumuha ng cheque. Please be informed sir, na kami po ay nagbabayad regularly ng aming mga taxes sa BIR. The problem po is ang pag release po ng inyong share ay nasa DBM. Wala na po kasi kaming contact dun. If the government is really efficient in doing their work, dapat pag pasok ng taxes na yan dapat umaaction na sila para immediately mareceive nila. Kami po kasi sa BIR lang ang contact naming, nagbabayad naman kam, tapos tatanggapin nila yung bayad. Understanding na once na pumasok yang pera na yan. The government or the DBM will disseminate this money to the proper municipalities, or to the LGUs. Yun po kasi dapat ang proseso eh. Pero anyway we are doing our best to follow-up with the DBM, kahit hindi na po namin dapat gawin yun. As a matter of fact, pinopropose na naming sa gobyerno na directly na kami magbabayad sa LGU, yung 60% sa National Government ibayad naming sa inyo, yung 40% ibayad naming sa LGU para walang problema. Lahat po ng minahan community, majority of the mining communities has the same problems not only Ayungon. Even the other mining communities have their issues regarding there share of excise tax and it is the government. Kung papayag lang talaga ang gobyerno, we will be more than happy to pay directly to the LGU the money para wala pong issue.

Public Hearing Officer: Anyway Sir, recorded naman po yung inyong question. Maybe we can ask the other concerned agencies to address your concern.

Charles Andaya, Brgy. Poblacion: Malipayon kayo sila nga naimbitahan ilahang barangay nga muapil sa public hearing kay usa pud sila naapektohan ug dako nianing proyekto. Makadumdum siya sa una niyang pag-abot nianang barangay, lawon pa kayo ang mga creek, dili sama karon nga tungod sa mga hugaw gikan sa quarry nimabaw na kini ug kung mau-ulan ulan dali na kini mapuno ug magbaha ang tibuok poblacion area.

HRDC: Salamat po sa inyong concern, meron po kasi kaming MMT together with MGB. We will discuss this issue with them. Kasi sila po yung mag approve if kailangan isama pa ang isang barangay dun sa SDMP. Kung affected ang isang area, kailangan isama siya sa. Kung affected ng impact yung operation kailangan isama siya sa SDMP na share. I-discuss naming to sa MGB, especially sa chairman ng MMT kung pwede siya iconsider.

Charles Andaya, Brgy. Poblacion: Ingon sya sa mga public hearing sama ani ang pirmelang ginapatawag ang 3 lang ka barangay samantalang sila nga ang ilang suba nga gintawag nga Maaslom River, kung asa didto paingon tanan hugaw gikan sa Maaslom mining karon pa gyud sila naimbitahan sukad. Gane sa una mga bata pa sila pirmel sila maligo sa suba u gang mga bato niini sa una itom pa ang kolor, apan karon sukad nga naa nay mining nahimo na kining gold.

HRDC: Hindi naman po natin pwede sabihin na yung silt sa river ay galing sa operation ng quarry. Kung makikita po natin yung topography ng area, hilly, at saka yung surface ng area batuhan siya so every time na uulan, talagang may kasama yan tapos nasasama siya sa may tubig. Its not only our quarry siguro yung contributor dun sa siltation but anyway will try to discuss this with MGB, if they can consider the other barangay affected by our operation to be included in the SDMP programs.

Rowena Rivero, DPWH-NOFDEO, Bindoy: Ang pangutana niya, unsa may mahimong aksyon nila isip magmimina dapit sa ilang barangay nga naga-cause ug lapok ug kaguba sa kalsada tungod sa ilang mga sakyanan gaagi-agi sa maong dalan?

HRDC: Opo naiintindihan naming po kayo, salamat po sa inyong concerns. Pero yung nakikita niyo pong basa na yun ay hindi po sa amin operation ngunit sa ibang kumpanya po na nagooperate sa Tampocon area. Regarding your concern, we can consider high pressure and for cleaning of the tire tracks para mabawasan po yung magkaroon ng putik sa kalsada.

Rowena Rivero, DPWH-NOFDEO, Bindoy: Kana man jud sigi ug bibis nila sa dalan mao nay naka cause sa kaguba sa dalan ug naga cause sab ug disgrasya sa mga motor. Kay ang nahitabo sa sge ug bibis ang tubig magpondo sa uban portion sa kalsada unya ang mga motor syempre maningkamot ug likay ug mangita ug dalan nga dili basa, ug mao na hinuon mamahimong rason rason sa disgrasya. Kung pwede unta pangitaan ug paagi nga dili magpondo ang tubig sa kalsada aron dili maka-cause ug disgrasya.

HRDC: We will make sure the Holcim Resources and the Silica Resources will work together to prevent the accidents along the road that was caused by the frequent watering. Safety is our first priority in our business.

Ariel Capilla, Tampocon Farmers Irrigation Association: President sa irrigation association sa ilang lugar, ang iyang concern regarding sa ilang dam. Kay panahon sa tingbaha ang silica gikan sa mina muagas padung sa ilang irigasyon. Ug naa silay ikapakitang picture nga makapaglig-on kung unsa ka tinuod ang maong sitwasyon nila panahon sa tingbaha. Gane karon nga sege ulan, ila na gitangalan ug ali ang dam kay malupawna kini tungod sige ug ulan.

Nag ask pud si kuya kung usa ba ka large scale or small scale mini gang maong company ug ang uban kompanya nga nagaoperate maong area.

HRDC: Sige po unahin ko na po yung huli nyong tanong, kami po ay considered pag na approve po itong ECC magiging large scale po kami kasi may increase na ang aming operation. Sila po ang kanilang permit is limited to only 5 hectares per permit. And ang kanilang volume per year ay 50,000 MT. Yun po yung mga small-scale. Ang MGB po ang nagmomonitor sa aming operation at ang EMB. Ang sa kanila naman po ay ang provincial or ang LGU. Then, sa una niyong question, we can design our quarry to make sure na wala pong siltation na mapupunta sa dam. Kasama ko po ditto yung head ng mining operation si Mr. Adsuara, si Edgar Aoyoma at si Pin, sila po ang magaayos nito. Kaya po kami dumadaan sa ganitong proseso kaya po kami may EIA para makita po ang lahat ng impact. Kaya po yung sinasabi niyo po tungkol sa dam ay isasama po naming yan duon sa aming plano. Yun po ang pinagkaibahan naming sa small-scale wala po siyang ganito, public consultation. Hindi po kasama yung, wala pong masyadong

transparency sa small scale. Kami poi to ang aming proseso. It takes us more than 5 years to complete the process to get the necessary ECC.

Joseph Calumba, Brgy. Gomentoc: Lami radaw paminawon ang giingon nga daghang dagkong infrastructure, pero ang pangutana unsa man nga mga dagkong infrastructure! Kana bdaw' ng kalsada dako na diay na nga infrastructure nga gamay raman nga vat nagamit ana.

HRDC: Isasama po naming sa study, we will make sure before kami mag expand ng operation, meron po kaming action or mitigation plan.

Eldred Dayupay, GFIA-Brgy. Gomentoc: Nag suggest nga basin pwede makaprovide ang kompanya ug truck nga naa nay vacuum musuyup sa abog aron dili na magproblema sa abog. Ang facilitator niingon nga nindot ang iyang suggestion ug ila kining ipropose sa kompanya.

HRDC: Maganda po yang suggestion niyo. Yan din ang naiisip naming nab ago lumabas ang stockpile sa kalsada kung pwede may vacuum para makuha niya yung mga alikabok.

Eldred Dayupay, GFIA-Brgy. Gomentoc: Nga basin pwede pud makaprovide ang kompanya ug dugang school bus para sa ilang barangay ka yang ilang population dako na unya sa pagkakaran ang school nga naa sa ila maggikan pa sa pikas barangay unya pag-abot sa ila puno na. Basin daw pwede nga matagan sila ug dugang pa nga school bus aron makasakay tanan studyante.

I also suggest, if possible, to provide a school bus for their barangay. Since they have a huge population, once the bus from Brgy. Maaslum reach their barangay the bus is already full.

HRDC: May SDMP po tayo, tignan po natin kung kaya pong pondohan ng SDMP ang school bus, bakit hindi po. Pwede po nating isuggest sa MGB, idagdag po sa proyekto. Kasi po ang MGB po ang nagapprove sa mga proyekto ng SDMP project.

Leo Martinez, Brgy. Maaslum: Ang saad nila sa amoa mulambo ang amo barangay pero hangtod karon walay nahitabong kalambuan. Wala sila nagtan-aw sa kahimtang sa mga katawhan kundili ila lang kaugalingon. Kinahanglan nga tabangan nila ang mga pobre. Ang nahitabo kay kung nay mga trabaho masulod sa ilang barangay taga ilaha. Nag saad sila tagaan ang katawhan ug trabaho ug muduol lang pero ang kuhaon isa duha lang. Ang gusto nila mahitabo sunod kung naa napud mga construction, mopirma sila pero lahi nga contractor kuhaon ug mga trabahante gikan lang sa ilang barangay.

Fodario Dialino, Brgy. Gomentoc: Tungkol po ito sa kalikasan, yun sa tubig. Kasi dun sa barangay Gomentoc meron po kaming, aquaculture, Tilapia aquaculture. Concern lang po naming, sa katunayan nga ang barangay Gomentoc may program from the provincial government, sa department of agriculture. I think 2011 or 2012 back to back na champion ang barangay gomentoc. May mga tilapia kami. So kanina na discuss natin yung tungkol sa kiti kiti na pagkain yan sa mga isda, alam ko yun. Pero sa akin lang, yung mga ibang pagkain sa isda yung mga algae. Pero dahil sa silica, napupunta sa tubig, nawawala ang mga algae. Kaya apektado ang aming palaisdaan sa katunayan may harvest kaming tilapia na maliit. Tinapon ko sa ilog upang mabuhay at dadami ang kabuhatan. So concern ko lang, gusto lang naming pagaralan yung sa tubig.

HRDC: Nakita po kasi sa pagaaral na medjo acidic po kasi yung tubig nung Maaslum River, medjo po.

Sandra C. Cadiente, Brgy. Maaslum: Sa sinugdan aning proyekto ang pasalig sa amoa maprotekatahan ang tubig, ang hangin, ang yuta. Pero wala kini nabuhat. Ang tubig nahugaw un nimabaw ang mga sapa tungod sa mga waste naggikan sa quarry. Ang hangin napuno ug aboggumikan sa mga sasakyan ninyong nag-agi agi sa kalsada. U gang uta wala pud ninyo ug infrastructure ug hatagan ug proteksyon ang mga

katawhan pero hangtod karon walay nahimo puro lang saad. Ang ilahang gusto lang tumanon lang ang mga saad ug tubagon ang ilang mga concern ayha sila mo-approve sa expansion.

Isa sab sa problema nila nga buot ipadangat ni Sir Edgar ang problema tungod sa tax. Delayed ang tax. Gikan sa pag sugod sa proyekto hangtod karon walay naabot tax sa ilaha. Moingon ang uban nga hayahay ang barangay Maaslum kay dagko madawat nga tax pero sa tinuod wala jud sila nadawat nga tax. Kay unsaon man nga ang magbayad sa tax. Mao na ang isa pa nila ka problema.

Ug ang mga tao sa ilang barangay walay mga trabaho. Naay nakatrabaho pipila lang kabuok. 13 lng. Unya daghan man ang tao sa Barangay Maaslum nga nangihanlang ug trabaho. Unsaon naman lang tong walay gpangskwelahan, kadtong wala nakaskwela dili makatrabaho? Dili nalang mukaon? Maong naghangyo nga livelihood project nga maghatag ug employment sa mga katawhan sa ilang barangay.

Unya ang kalsada ipasemento gikan sa ilang barangay padulong sa quarry bahala ug anam-anam lang kada tuig. Kanang naa ray Makita nga kalambuan. Para sa ilaha wala man sa HAZ ug sa mina ang problema kun dili ang service contractor nga ang SI.

HRDC: Thank you po dun sa mga niraise nyong concerns. With regards with the Silica Resources, as our contractor, we will review their performance because they have deliverables for us so with those concerns we will have to look on their performance.

Participant: Ingon botbot rdaw tanan gipangstoryaha sa usa ka spokesperson kay wala mandaw kaayuhan nahatag ang ilang proyekto sa barangay MAaslum. GAne maglisod ug age ang mga motoristasa sa dalan tungod sa mga truck nga kada adlaw sige ug agi-agi nianang kalsada. Ug nakahatag pa kini ug kahasal sa mga land owners labi na kung mabanlas gikan sa quarry padulong sa ilang uma, sila pa mismo nga mga tag-iya maoy manghakot sa mga balas. U gang giingon pud ni sir Edgar nga 17 thousand ka punuan ang natanom nila, botbot pud nang storyaha kay tuod 17 ang gitanom pero pipila lang ang nangabuhi. Taod taod na kini nga problema ug daghan na nga higayon nakalabay pero wala kini aksyon nga maong problema sa mga land owners sa Barangay Maaslum.

HRDC: Gibase lang niya sa akwal nga mga benipisyo nga nakuha gikan sa ilang proyekto gikan sa taxex nga gibayran ug sa mga nagastos sa SDMP. Ug kadtong problema sa Silica ug mga uma, nakadumdon siya last year naa silay gibutang nga culvert aron pag malikayan nga mapadulong sa mga basakan. Siguro kay naa man monitoring team wala siguro kini nakita sa mga site inspection o wala siguro nila ni nabisitahan nga area sa ug siya pud mismo, nakita ning maong sitwasyon. Nangayo siya ug dispensa kay wala nila ni nakita. Karon kadtong mga culverts nga ilaang gipangbutang ila ni pagabalikan ug inspeksyunan balik. Unya kung dili kini epektibo ila kining utrohon ug padak-an aron dili na gyud muagas pdung sa ilang mga luna. U gang mga land-owners makademang lang sa kompanya kung ang iyong luna naapil sa gimanahan kay bayaran sila ug royalty ana.

Claudio Medez, Barangay Maaslum: Unya daghan naman kahigayon nilabay ug kapila na nahitabo nga nabanlasan ang ilang mga uma ug bals gikan sa mina, wala badaw sila naulaw nga ang mismo pang land owner ang mahasul ug hagkot sa mga balas nga nitabon sa ilang basakan? Diha ra raba sila gakuha ung pangwarta inig maka-ani sila. Unsa man saw kaayoan nahatag anang mina sa ilaha.

Ang hangyo ni tatay kan Sir Edgar nga sa sunod kung mahitabo pa gane kini sila na unta ang mu-aksyon ug maglimpyo sa mga balas dili ka yang mga land-owners pa ang magtrabahi niini.

HRDC: Sige sir, halimbawa po ang iyong palayan eh natabunan ng silt dahil sa amin, may karapatan kayo. You have the right to ask us for the damage. If it is directly caused by us. I commit that to you. Kung meron po kayong palayan na natabunan ng silt dahil sa aming operation, then we are committed to pay you damages.

Claudio Medez, Barangay Maaslum: Ito pa sir pagpupunta kami ng maaslum, mula Tampocon hanggang Maaslum, madaming lubaklubak. Pag dumaan yung motor na sinakyan namin tapos nasalubong ang truck. Nadaanan yung putik, kaming mga pasahero. Wala disiplinang mga driver na yan.

HRDC: Opo yan po yung isa po naming concern. Noong 2012-2013, may kinausap na po kaming mga tao para maiwiden ang kalsada kaya lang po, nabigo po kaming payagan kami. Kung nawiden naming yung kalsada mula Tampocon, wala po tayong problema sa, halos one way lang po talaga yung kalsada. Anyway, isubmit niyo po sa amin yung concern niyo tungkol sa truck and motor then Edgar will make sure to make way for the vehicle. Ang truck natin ang mag give way sa kalsada. So yun po yung sinasabi naming sa kanya, the truck needs to stop if there are motorcycle passing. Siya po yung titigil.

Satumino G. Cabual, Brgy. Maaslum: Magandang Umagopo, Hindi po tanong sa akin. Magandang pong marinig sa DENR, kasi may surveillance po nung 2005 tungkol sa paglilinis ng kalsada kaya bureau ang magexplain. Tungkol naman sa palayan, ganito kasi ang nangyayari, babagsak dun sa play yun ang lagging nangyayari, pag may affected wag na nating hintayin na magreklamo ang mga tao gagawa na tayo ng action para maging mabuti ang relasyon natin sa community. Yung tungkol naman sa may fish pond, meron siyang fishpond, totong meron siyang fishpond. Hindi advisable na gamitin ang tubig sa Maaslum, kasi acid water yan dapat sa freshwater ang inyong gagamitin. Wag yung sa irrigation, kasi pag galing sa irrigation, sulfuric talaga yan kasingaling yan sa maaslum. Yung tungkol naman dun naman sa MCCI, ang nagging service contractor ay yung bionique equipment, siya po ang naka assign sa road maintenance. Pag may nasira sa kalsada, aayusin agad. Hindi na hihintayin ang equipment na masira. Pag hinitay pa ang equipment walang mangyayari sa kalsada natin. Pag may lubaklubak ayusin na agad. Yun lang ang gusto namin. Ako kasi ang kapitan ng barangay, sa akin sila nagreklamo. Nasa kamay naming ang expansion nito sa totoo lang. Ang gusto naming iconcrete na yung highway mula Tampocon. Para wala ng magreklamo sa alikabok. Pag meron man hindi na madami. Yung sa ECC, tanong ko lang sa Berkman bakit ang tagal ng assessment dun sa Ayungon. Bakit nandito na naman, nagpublic scoping na tayo tapos walang nangyayari, ang tagal-tagal na. Mahigit 5 years na ata. Kasi pabalik balik eh, sana maging final na to. Yung expansion natin ngayon. Ang Heirs of Arturo Zayco may 505 hectares, dati small-scale lang siya. Ngayon mas gusto kong large scale, kasi nung small-scale under tayo sa ano eh walang mag supervise, walang MGB. Gusto ko talaga yung large-scale, nandyan yung MGB. Ang tanong ko, bakit 50 hectares lang ang iexpand natin bakit hindi pa 505 hectares? Para isang isyuhan na lang.

HRDC: Salamat Kap! Bakit daw po 50 lang. Kasi po yung aming Exploration, it only covers 50 hectares. We aren't able to cover the 505 hectares na area. And then yung MGB, di din po yan magallow na applayan naming yung buo ECC or EMB yung 505 hectares na walang feasibility yung remaining na 450 hectares. Yun lang po kasi yung aming madedeclare yung nasa study. And then yung computation po kasi naming dun sa 50 hectares, it will take us more than 100 years na maconsume po yung 50 hectares nay un. Yung remaining na 450 it will remain untouched. Hindi po kami pwedeng magbukas ng napakalaking area kasi mas lalaki po yung impact sa environment. Limited lang po kami sa 50 hectares.

Jay Mananquil, ENRD-Province of Negros Oriental: I am Jay Mananquil representative from the provincial government. Hindi naming kabisado yung project pero yung trabaho naming ay katulad sa EMB and MG under kami sa provincial government under Gov. Degamo. Aside from excise tax kasi napakinig ko kanina. Yung mga hindi sila satisfied sa excise tax or yung income naprinoprovide ng company. Aside sa excise tax, may extraction fee ba babayaran ang contractor sa government?

HRDC: May binabayaran po niyan kapag sa municipality, quarry permit lang palang pala ito hindi extraction permit.

Jay Mananquil, ENRD-Province of Negros Oriental: Yan, kasi ganito. Kasi sa quarry permit katulad sa province. Aside sa excise tax, merong extraction fee. Magbabayad sa permitting sa provincial government for extraction fee per cubic meter. Hindi kami kasama sa sharing sa province. Since dito kayo sa Negros Oriental, basta large scale mining. The sharing is only for the municipality and barangay. Pero hindi niyo kasalanan sir, kasi kasalanan ng taga taas. Kasi sa amin sa province, yung extraction fee, yung 40% goes to the barangay and 30% goes to the municipality and another 30% goes to the province. The only requirements will be the delivery receipt na ipresenta dun. Yun yung pakiusap namin sa MGB na tulungan kayo kasi mahirap pag pumasok sa DBM, hindi nila madistribute kasi national yun. Hindi nila maibigay directly sa maaslum, kahit sa sulu may share sila. Yan ang problema. Lugi ang provincial, Malaki ang volume maliit anfg excise tax 2%. Dito per cubic extraction fee, 10 pesos per cubic.

Public Hearing Officer: Salamat po sa inyong komento, considering the national government perhaps we can communicate with DBM perhaps we can restructure the policy perhaps. Anyway salamat po sa inyong komento and this will be communicated with the concerning agency.

Arnold Academia, Ayungon National Highschool: Usa ka public teacher, last 3 years ago naa sila nagbuhat sila ug study king unsa ang negatibo nga epekto sa abog nga gikan sa silica sa panglawas sa mga bata labi na nga ang ilang skwelahan anaa sa agihanan sa mga truck nga nagahakot sa inyong produkto. Unya base sa ilang research, nahibaw an nila na usa ka problema nga mahatag sa abog sa silica sa mga studyante ug sa mga bata nga napuyo daplin sa dalan mao ang silicos o ang sakit sa dalan mao ang silicos o ang sakit sa baga. Ang ilang hangyo basin pwede nga magbutang ug private doctor aron matan-aw ug makonsulta ang mga bata sa ilang barangay ka yang ilang barangay aduna lamang usa ka doctor.

HRDC: Okay sir, salamat po. We will take note of that. We will be discussing that with our president regarding your suggestion.

Rowena Rivero, DPWH-NOFDEO, Bindoy: Tama tong giingon ni Ma'am (presenter) nga walay mga tao sulod sa area sa giminahan pero daghang tao apektado sa kanag pagtransport sa ilang produkto. Unsa man daw ang maikatabang nila sa lumulupyo sa maong lugar nga nangasakit ug nangauga nga ang panit tungod sa abog gumikan sa ilang produkto. Suhestyon nila untana inig mag byahe sa ilang produkto ilang pagatabunan ug apil pud ang stockpile. Ug kung mahimo, adiser sila musulod sa national road ila usa pagasprayhan ang ilang stock aron wlay abog.

HRDC: Ma'am we will consider that. Let me just clarify again, the stockpile that is located in Tampocon is not ours. We will take it as consideration.

Public Hearing Officer: Summarize lang po natin yung issues and concerns na nadiscuss po nating hapon na ito. Una na po diyan yung tungkol po sa alikabok na nagmumula sa quarry site hanggang papunta sa stockpile po nila. Sa ginagawang activities regarding sa alikabok, watering of the roads, sa siltation. Regarding sa siltation, gaya po ng pangingisda, farming and cattle farming. Concern regarding sa SDMP, concern regarding sa kalsada, livelihood opportunities. Concerns regarding dams sa maaslum at sa pagaaral na ginawa ng ating proponent. Ayan po ating issues and concerns na nadiscuss ngayong hapon na ito. Ngunit hindi pa naman diyan natatapos ang pagbibigay ng issues and concerns. Ang public hearing ay isang paraan para ihayag ang pinaka issues and concerns na maaring makatulong sa pagpapasya ng pagbigay ng ECC.

19/11/2019



Public Hearing
7 November 2019

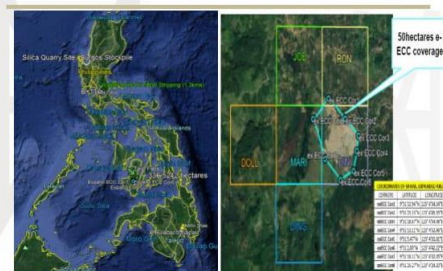


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 - Benefits
- ❑ Future projection
 - Production
 - Mining Method
 - Benefits
- ❑ Issues and concern

2

Location Map



3

Introduction



Ayungon Silica Use



4

History



- **March 6, 2001**
 - Operating Agreement signed between Heirs of Zayco and CACI granting exclusive right to develop, mine & market silica from the tenement area (MRD-138-VII)
- **July 10, 2001**
 - Service Contract signed between CACI & GRDI
- **August 23, 2001**
 - ECC granted for a 10 hectare SSMP area
- **December 12, 2001**
 - Quarrying Operations started
- **December 12, 2003** (Expiry date of MRD-138-VII)
 - Two (2) SSMPs & ECCs covering 20 hectares granted
- **October 7, 2005**
 - MPSA No.218-2005 granted to the Heirs of Zayco for a term of 25 years with single renewal of another 25 years
- **October 4, 2010**
 - CACI assigned all the rights, title, interests, and obligations in and to the Property to Holcim Philippines Manufacturing Corporation which in turn, assigned all the rights to Holcim Resources and Development Corporation

5



Why do we need to expand?

- Silica is widely used in cement manufacturing and projected to increase consumption annually from 5% to 6.7%.
- Silica has a lot of industrial uses and HAZ is looking forward for supplying non-cement grade silica to other customers such as cement fiber manufactures, PASAR etc.
- Revival of Steel Industry by the government will demand silica for its foundries.
- Help the government to save in dollars, by eliminating the need to import silica from Vietnam and Australia.

Presenter Name | Department | Date



Proposed Project Expansion

Area : the area will be expanded from 10 hectares to 50 hectares

Capacity : the capacity will be increased from 500 metric tons per day to 2,500 metric tons per day.

Process : No change in mining method which is contour slicing or hill slide cutting.

Presenter Name | Department | Date



Process Flow



Presenter Name | Department | Date



The process does not involve the use of any chemicals, only fuels for equipment to run, and water for dust control along the access road and possible washing of materials for special customer requirement. Electricity is also required but only for lighting purposes.

Presenter Name | Department | Date



Benefits for the Communities

Volume	600,000
Extraction Cost	261.11
Total	156,666,000
Percentage	4%
Excise Tax (4%)	6,266,640
SDMP 2%	
Volume	600,000
Quarrying Cost	719.75
Total	431,550,000
SDMP Rate	2%
SDMP	8,631,000

Presenter Name | Department | Date



Present status of operation:

- ❖ Volume : 125,000 MT
- ❖ Mining Method : Open-cast (Rip, Doze, Stockpile, Load & Haul)
- ❖ Benefits:
 - ✓ Excise Tax : Php 600,275
 - ✓ SDMP : Php 450,206.25
 - ✓ Occupational fee : Php 37,875.00

Future Projections (Expansion)

- ❖ Volume : 600,000MT
- ❖ Mining Method : Open-cast (Rip, Doze, stockpile, Crushing, Load & Haul)
- ❖ Projected benefits:
 - ✓ Excise Tax : Increased Excise Tax
 - ✓ SDMP : Increased SDMP Share
 - ✓ Occupational fee : Php 37,875
 - ✓ Open opportunity for employment

11

CSR Projects from 2011 to 2018

SDMP Projects
Spillway Construction
Community Service Vehicle
Community Water Development
Electrification of Sitio Puyuban and Carukduhan & Barangay Masalum
Improvement of Bay Masalum Community Plaza
Barangay Road Improvement
Purchase of Medical Equipment
Construction of Footbridge
Purchase of Medicines
Construction of Foot Trail
Improvement of Multipurpose Halls
etc.
MOB Radio Program
MOB Newsletter
Community Consultations
Development of Mining Technology
Malinao Geohazard Mapping and Assessment
On-the-job Training of NCRSU BS Geology Students
Other Initiatives
Relief Operations during 2012 Earthquake
Foster a Child's Education (FACE)



Issue No.1: No work and livelihood given to the community (Leo Martinez)



No of residents employed (Ayungon):
 Total : 69
 Maaslum : 13 (including 3 on-call)
 Other Barangays : 49
 Outside Ayungon : 7

As a component of SDMP, livelihood is dependent on the programs to be defined by each barangay.

SDMP As approved:

2017:
 @ 1.5% DMC Php 360,165.00
 Expenses Php 617,580 (+71%)

2018:
 @ 1.5% DMC, Php 360,165.00
 Proj. Expenses, Php 505,987.50 (+21%)

Excise tax:

2017
 @ 2% material cost, P 610,275.00

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Issue No.2 Silt pond causes Flood in our community (Leo Martinez)



There are no cases of flooding due to overflowing of silt pond ever since. Periodic de-silting and clean-up were conducted on siltation ponds and catch basins.



3. Sand Traps, Primary (60x15m)

• Catcher Elev: 61.335
 • Channeling: 61.335 to 61.335
 • 18 - 18m x 15m

Days to fill: 120 days - 4 mos.

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Issue No. 3: Stop the operation, so we can rehabilitate our forest. For we will be greatly affected when calamities strike (Renato Gomera)

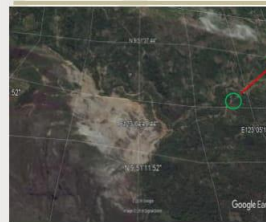


There are minimal endemic trees that grown in the area prior to start of operation. It is now the initiative of permit holder to conduct progressive rehabilitation and reforestation of mined-out areas and idle land within the permit area.

Total No. of trees planted (As of Oct 2019): 17,652

15

Issue No.4: Irrigation System are full of silica (Renato Gomera)



Most of the silt-laden material comes from the barangay road which diverted to the rice field during heavy rains. Enhancement of drainage canals will help solve this issue.

16

Issue No.5: Irrigation system (NIA) are full of silica. We have no source of water (Renato Gomera)



Water Through of NIA @ southern side of quarry

The NIA is located above the present extraction area as such silica material or silt will have a minimal affect to the NIA water source. Alternative source maybe provided upon recommendation of NIA.

17

Issue No. 6 :Will you assure us that we will be allowed to collect sand as our source of income? (Kag. Robert Guardario)



We are just concerned with the safety of the people entering the site. We have an accountability with HAZ. We are not greedy, we are just concerned with your safety. It may become your livelihood, we can define it. If it can help you.

In addition, while the utmost concern of the company is safety, we would encourage the people to form a cooperative in coordination with DTI to ensure an appropriate livelihood programs that would suit to the community and would sustain even after mining.

18

Issue No. 7: What will be the method for livelihood for women? (Leni Rufino)



This will be defined during BBTWG workshop for SDMP.

We encourage the people to form a cooperative in coordination with DTI to ensure an appropriate livelihood programs that would suit for women that would sustain even after mining.

19

Issue No.8: Remove Silica Resources or give us a responsible contractor (Leni Rufino)



We will talk to Silica Resources and will try to come up with a solution.

20

Issue No. 9: The jobs you offer is to operate and drive machines. What other jobs you can offer because others are not knowledgeable in that aspect? (Leni Rufino)



- The Equipment must be operated by a highly skilled personnel. That's why if we can only define the livelihood that will benefit the community that will be a great help.

21

Issue No. 10: In 2012, I saw a big crack. What did you do? (Renato Gomera)



Actually, the soil is a subsidence. Since 1998, the ground sinks lower. If you all remember what happened in GRDI. Their camp sinks lower but this was immediately coordinated with the region 7 EMB, but sad to say no one came. What we do is we prevent the water to enter the crack so it will not further collapse.

22

Issue No. 11 This is about the dust that causes my child to have asthma. Pedia explains the one who triggers asthma is the dust that contains silica. Monitor silica and give regular check-ups for the people affected. (Joy Martinez)



Regular sprinkling on roads during hauling were continuously undertaken with the use of two water trucks to suppress the dust. SIRC is proposing to add water truck to increase frequency of sprinkling on dusty road once expansion is approve. It is the permit holder and operator responsibility to do monitoring of health for the affected community. This will be included in the SDMP as a component of health.



23

Issue No. 12: The flooding in our area (Ceniza Gomera)




Potential area for flooding based on Geo-hazard assessment conducted by MGB-7 and are recommended for relocation are to be presented to HMDC President.

24

Issue No.13: We have no established relocation area when demolition happen (Un-identified) 


LGU has to look for relocation site subject for evaluation by MGB-7 as agreed during the last MDRRMC meeting held at barangay Maaslum

25

Issue No.14: You should have affiliated benefits to the community (Anecito Aquino-CENRO Ayungon) 

Refer to slide No. 3

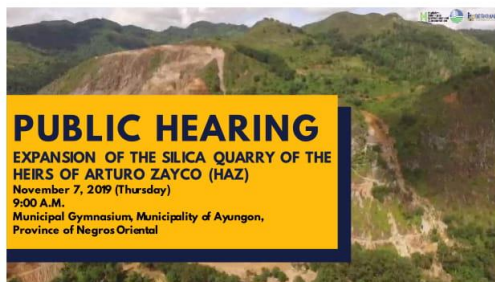
26

Issue No. 15: Will you assure the safety of the community? (Jovie Tayubal-DEPED) 

In 2012, geological mapping was conducted by the Geos of UP Dilliman. We already have the report and must address the mitigation. But right now with the existing 10 hectares we cannot take action. If we move beyond the 10 hectares, we will violate the law. That's why we have to do it in a proper way because Holcim has an accountability with HAZ. Holcim will be liable for this.

27





EIA TEAM

Name	Expertise	EIA Registry No
Dr. Emmanuel Lleba	Flora and Fauna Specialist	IPCO-130
Dr. Honorato Palis	Environmental Specialist	
Dr. Edwin Combalicer	Water Quality /Hydrologist/ GIS Specialist	IPCO-321
Mr. Ephrem Gabriel Cortes	Socio-Economic/Public Participation Specialist	IPCO-322
Dr. Merlyn Carmelita River	Socio-Economic Specialist	IPCO-298
Mr. Henry Salvado	Geologist, Competent Person	-
Engr. Ramon Aguilar Jr.	Air/Noise Quality Specialist	-
Dr. Thelma Dela Cruz	BRA Specialist	IPCO-387
Engr. Vicente Ballaran Jr.	Sediment Transport Specialist	-

EXPANSION OF THE SILICA QUARRY OF THE HEIRS OF ARTURO ZAYCO



EIA STUDY RESULTS

OUTLINE:

General Site Description

- Land
- Geology and Pedology
- Flora and Fauna
- Water
- Air/Noise
- People

EXPANSION OF THE SILICA QUARRY OF THE HEIRS OF ARTURO ZAYCO



General Site Description



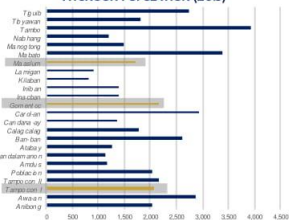
- The municipality of Ayungon has a total land area of **43,568 hectares** with 15,400 hectares within municipal waters.
- The total land area of the three (3) impact barangays – Maaslum, Gomentoc and Tampocan I equals to **3,357 hectares**.

EXPANSION OF THE SILICA QUARRY OF THE HEIRS OF ARTURO ZAYCO



General Site Description

AYUNGON POPULATION (2015)



Ayungon – 46,303

- Maaslum – 1721
- Gomentoc – 2159
- Tampocan I – 2061

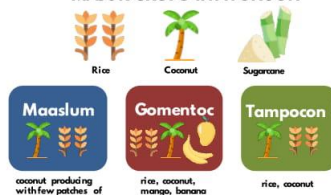
Total of 3 barangays = 5941 or 12.83% of the total population of Ayungon

EXPANSION OF THE SILICA QUARRY OF THE HEIRS OF ARTURO ZAYCO



General Site Description

MAJOR CROPS IN AYUNGON



EXPANSION OF THE SILICA QUARRY OF THE HEIRS OF ARTURO ZAYCO



General Site Description


LIVESTOCK AND POULTRY FARMS (BACKYARD)

Maaslum cattle, carabao, goat, horse, chicken	Gomentoc cattle, carabao, goat, chicken, duck	Tampocon I cattle, carabao, goat, chicken, duck
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EXPANSION OF THE SILICA QUARRY OF THE HERS OF ARTURO DAVCO


General Site Description

WATER SUPPLY



- Ayungon Water District Office (Ay-WD)
- Water pumps

POWER SUPPLY



Negros Oriental Electric Cooperative I (NORECO) I
- Power generated from the geothermal plant in Valencia, Negros Oriental

EXPANSION OF THE SILICA QUARRY OF THE HERS OF ARTURO DAVCO

EIA STUDY RESULTS

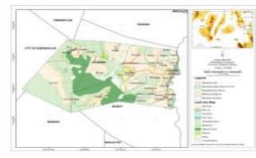
OUTLINE:

- General Site Description**
- Land**
- Geology and Pedology
- Flora and Fauna
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EXPANSION OF THE SILICA QUARRY OF THE HERS OF ARTURO DAVCO

LAND

COMPATIBILITY WITH EXISTING LAND USE




Based on the land use map of the Municipality of Ayungon, 759 hectares are classified as **quarries and mineral deposit** area where the MPSA 218-2005-VII is located.

EXPANSION OF THE SILICA QUARRY OF THE HERS OF ARTURO DAVCO

LAND

COMPATIBILITY WITH CLASSIFICATION AS AN ENVIRONMENTALLY CRITICAL AREA (ECA)




- No possible impacts** to Ilog-Hilabangan Watershed Forest Reserve is identified due to its **location and distance to the Project Site**. On the other hand, Tanon Strait which is the direct discharge point of Maaslum River may be affected by the siltation from the quarry site, if not addressed, especially during downpours of rain in the upstream where the project site is located.

EXPANSION OF THE SILICA QUARRY OF THE HERS OF ARTURO DAVCO

LAND

MITIGATION MEASURES



- To **help mitigate the effects** of the siltation, the Project has provided siltation control methods to control probable siltation of the Maaslum Riverbed and by extension, the low-lying farmlands and catch basins along the base hill **to trap fugitive silts and debris** that may cascade down slope from the active workings.

EXPANSION OF THE SILICA QUARRY OF THE HERS OF ARTURO DAVCO



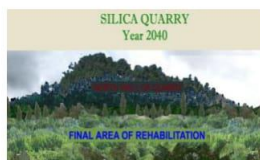
IMPACT IN EXISTING LAND TENURE ISSUE/S

- There are **no identified tenurial issues** within the claims and no informal settlers were residing within the project site.

EXPANSION OF THE SILICA QUARRY OF THE HEIRS OF ARTURO ZAYCO



MITIGATION



- Mini-reforestation zones** will be established within and immediately outside project site for progressive **"re-greening"** to **start tree colonies** or increase present tree density in areas not needed by the proponent for actual mining. To support these greening activities, the Heirs of Arturo Zayco will establish a tree nursery facility.

EXPANSION OF THE SILICA QUARRY OF THE HEIRS OF ARTURO ZAYCO



DEVALUATION OF LAND VALUE AS A RESULT OF IMPROPER SOLID WASTE MANAGEMENT AND OTHER RELATED IMPACTS

Identified management measures to **mitigate** or minimize potential **devaluation of land value**.

- Solid Waste and Wastewater Management
- Siltation Control
- Land Preservation
- Rock Waste Minimization
- Minimization of Site Clearing for Mining
- Reforestation

EXPANSION OF THE SILICA QUARRY OF THE HEIRS OF ARTURO ZAYCO



EIA STUDY RESULTS

OUTLINE:

- General Site Description
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EXPANSION OF THE SILICA QUARRY OF THE HEIRS OF ARTURO ZAYCO



GEOLOGY AND ALTERATION MAP

DRILL HOLE LOCATION



EXPANSION OF THE SILICA QUARRY OF THE HEIRS OF ARTURO ZAYCO



Activity	Number	Total Length (m)	No. of Samples
Detailed Mapping		20,000	
Outcrop Sampling	38		38
Test Pitting	32	113	256
Diamond Drilling	16	1,525	1,101
Density Measurement			25

EXPANSION OF THE SILICA QUARRY OF THE HEIRS OF ARTURO ZAYCO



Geology and Pedology

DIAMOND DRILL ACTIVITY



EXPANSION OF THE SILICA QUARRY OF THE HERBS OF ARTURO DAYCO



Geology and Pedology

TEST PITTING ACTIVITY

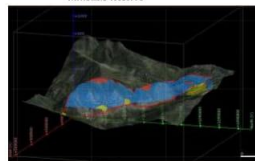


EXPANSION OF THE SILICA QUARRY OF THE HERBS OF ARTURO DAYCO



Geology and Pedology

Mineral Reserve



Ayungon Mineral Reserve

Category	Volume (m ³)	Tonnage (Metric Ton)	Average % SiO ₂
Mineral Reserve	33,475,000	43,428,750	85.92
Waste Advance Argill. Altered Rock	1,465,380	2,710,953	82.59

EXPANSION OF THE SILICA QUARRY OF THE HERBS OF ARTURO DAYCO



Geology and Pedology

SOIL QUALITY: RESULTS

Conformed to the Dutch Standard for Soil Quality



- pH
- Organic Matter
- Total Nitrogen
- Phosphorus
- Potassium
- Arsenic
- Cadmium
- Chromium
- Lead
- Mercury

EXPANSION OF THE SILICA QUARRY OF THE HERBS OF ARTURO DAYCO



EIA STUDY RESULTS

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EXPANSION OF THE SILICA QUARRY OF THE HERBS OF ARTURO DAYCO



Flora and Fauna

FLORA (Plants)


- A. Methodology
- Inventory Quadrats
- Transect Walks



EXPANSION OF THE SILICA QUARRY OF THE HERBS OF ARTURO DAYCO



Flora and Fauna



FAUNA (Animals)

B. Methodology

- Strip Transect Sampling – amphibians and reptiles
- Bird Transects – birds
- Mist Nets – bats
- Interviews with local guides and other key informants

EXPANSION OF THE SILICA QUARRY OF THE HERBS OF ARTURO DAYCO

Flora and Fauna

Fauna Sampling Stations



EXPANSION OF THE SILICA QUARRY OF THE HERBS OF ARTURO DAYCO

Flora and Fauna

RESULTS OF FLORA SURVEY

- Total of **60 species of plants** were identified
- Only **Antipolo (*Artocarpus blancoi*)** is a Philippine endemic (confined in the Philippines)
- Only **Pitcher Plant (*Nepenthes sp.*)** is threatened under **DAO 2007-01**

EXPANSION OF THE SILICA QUARRY OF THE HERBS OF ARTURO DAYCO

Flora and Fauna

RESULTS OF FAUNA SURVEY

- Total of **31 bird species** were identified.
- **Four birds are endemic** to the Philippines
 - White-eared brown dove (*Phapitreron leucotis*),
 - Philippine coucal (*Centropus viridis*),
 - Red-keeled flowerpecker (*Dicaeum australe*), and the
 - Yellow-breasted fruit dove (*Ptilinopus occipitalis*)

EXPANSION OF THE SILICA QUARRY OF THE HERBS OF ARTURO DAYCO

Flora and Fauna

RESULTS OF FAUNA SURVEY

- **2 Amphibians** – toad and frog
- **3 Reptiles** – gecko and skinks
- **2 Mammals** – house shrew, bat

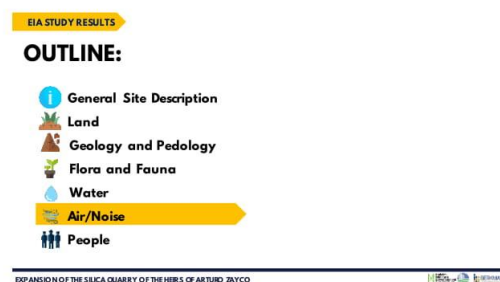
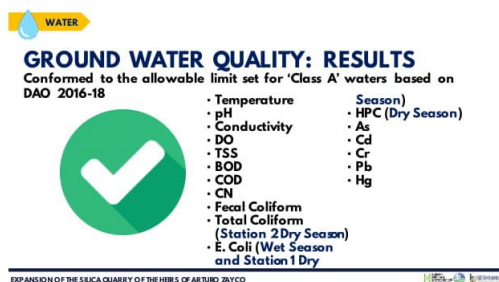
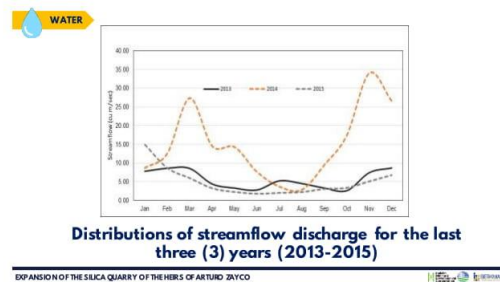
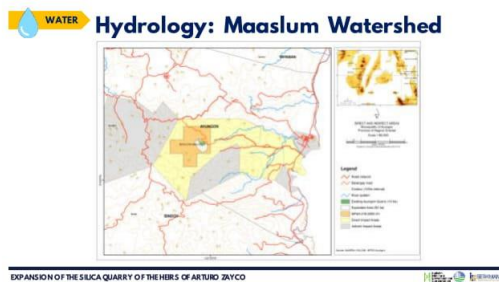
EXPANSION OF THE SILICA QUARRY OF THE HERBS OF ARTURO DAYCO

EIA STUDY RESULTS

OUTLINE:

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EXPANSION OF THE SILICA QUARRY OF THE HERBS OF ARTURO DAYCO





1-Hr Ambient Air Quality Monitoring Results

Station	Location	Date/Time of Sampling	TSP (ug/Nm)	PM ₁₀ (ug/Nm)	PM _{2.5} (ug/Nm)	SO ₂ (ug/Nm)	NO ₂ (ug/Nm)	VOC ₁ (ppm)
A1	Quarry Gate Entrance	November 29, 2016 10:30H-11:30H	155.5	87.6	<17.9	<0.5	4.4	<1.0
A2	Site Binotoc, Brgy. Masakim Basketball Court	November 29, 2016 12:25H-13:25H	65.7	<1.8	<17.7	<0.5	5.3	<1.0
A3	Site Sacac, Brgy. Gomentoc	November 29, 2016 14:20H-15:20H	194.7	60.3	<17.2	31.8	3.0	<1.0
A4	Site Looc, Brgy. Tampacan 1	November 30, 2016 10:55H-11:55H	245.4	43.2	<17.3	6.4	1.7	<1.0
DENR National Ambient Air Quality Standards for Source Specific Air Pollutants based on 60 minutes averaging time			300	200	None	340	260	None

EXPANSION OF THE SILICA QUARRY OF THE HERS OF ARTURO, ZAYCO



1-Hr Ambient Air Quality Monitoring Results (ppm)

Station	Location	Date/Time of Sampling	CO
A1	Quarry Gate Entrance	November 29, 2016 10:30H-11:30H	<1.0
A2	Site Binotoc, Brgy. Masakim Basketball Court	November 29, 2016 12:25H-13:25H	<1.0
A3	Site Sacac, Brgy. Gomentoc	November 29, 2016 14:20H-15:20H	1.0
A4	Site Looc, Brgy. Tampacan 1	November 30, 2016 10:55H-11:55H	1.0
DENR National Ambient Air Quality Guideline Values for Criteria Pollutants based on 60 minutes averaging time			30

EXPANSION OF THE SILICA QUARRY OF THE HERS OF ARTURO, ZAYCO



VOC	CO	NOX	SO ₂	PM ₁₀
0.037 ug/Nm	1.377 ug/Nm	0.28 ug/Nm	0.000607 ug/Nm	22.236 ug/Nm
0.185 ug/Nm	6.885 ug/Nm	1.4 ug/Nm	0.003035 ug/Nm	111.18 ug/Nm

EXPANSION OF THE SILICA QUARRY OF THE HERS OF ARTURO, ZAYCO



NOISE

EXPANSION OF THE SILICA QUARRY OF THE HERS OF ARTURO, ZAYCO



Sources of 24-Hrs Ambient Noise

Station	Location	Period	Source of Noise
N24-1	Quarry Gate Entrance	Morning	Construction activity
		Daytime	Heavy Vehicle
		Evening	Trucks
N24-2	Site Binotoc, Brgy. Masakim Basketball Court	Morning	Trucks
		Daytime	Heavy and Light vehicle
		Evening	Trucks
N24-3	Site Sacac, Brgy. Gomentoc	Nighttime	Trucks
		Morning	Light Vehicle
		Daytime	Heavy and Light vehicle
		Evening	Trucks
		Nighttime	Trucks

EXPANSION OF THE SILICA QUARRY OF THE HERS OF ARTURO, ZAYCO



24-Hrs Ambient Noise Level Monitoring Results (dBA)

Station	Location	Date/Time of Sampling	Category of Area	Period	Noise Level	NPCC Standard
N24-1	Quarry Gate Entrance	30-Nov-16/08:07H-08:17H	Class C	Morning	50	65
		30-Nov-16/09:48H-09:58H		Daytime	56	70
		30-Nov-16/20:40H-20:49H		Evening	45	65
N24-2	Site Binotoc, Brgy. Masakim Basketball Court	30-Nov-16/21:08H-21:18H	Class A	Nighttime	44	60
		30-Nov-16/08:41H-08:51H		Morning	52	50
		30-Nov-16/10:10H-10:40H		Daytime	60	55
N24-3	Site Sacac, Brgy. Gomentoc	30-Nov-16/20:40H-20:49H	Class A	Evening	48	50
		30-Nov-16/21:45H-21:55H		Nighttime	45	45
		30-Nov-16/08:25H-08:35H		Morning	52	50
		30-Nov-16/10:15H-10:25H		Daytime	60	55
		30-Nov-16/20:15H-20:45H		Evening	48	50
		30-Nov-16/21:10H-21:40H		Nighttime	40	45

EXPANSION OF THE SILICA QUARRY OF THE HERS OF ARTURO, ZAYCO



Air/Noise

24-Hrs Ambient Noise Level Monitoring Results (dBA)

Station	Location	Date/Time of Sampling	Category of Area	Period	Noise Level	NPC Standard
ND4-4	Silva Lee, Brgy. Tumpacan 1	30-Nov-18/0904H-0914H	Class A	Morning	51	50
		29-Nov-18/1105H-1115H		Daytime	58	55
		29-Nov-18/2111H-2121H		Evening	49	50
ND4-5	Front of Maslun Brgy. Hall	30-Nov-18/0000H-0010H	Class A	Nighttime	48	45
		30-Nov-18/0821H-0831H		Morning	52	50
		29-Nov-18/2028H-2038H		Daytime	59	55
		29-Nov-18/2334H-2344H		Evening	49	50
				Nighttime	45	45

Class A: A section or contiguous area which is primarily used for residential purposes
Class C: A section primarily reserved as a light industrial area

EXPANSION OF THE SILICA QUARRY OF THE HERBS OF ARTURO DAYCO



EIA STUDY RESULTS

OUTLINE:

- General Site Description
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- People

EXPANSION OF THE SILICA QUARRY OF THE HERBS OF ARTURO DAYCO



People

IMPACTS

EXPANSION OF THE SILICA QUARRY OF THE HERBS OF ARTURO DAYCO



People

PROLIFERATION OF INFORMAL SETTLERS



There was **no recorded presence** of informal settler families (ISFs) in the direct impact areas

EXPANSION OF THE SILICA QUARRY OF THE HERBS OF ARTURO DAYCO



People

DISPLACEMENT OF SETTLERS/DISTURBANCE OF PROPERTIES



- **No major infrastructure** located within the MPSA except for unpaved barangay road that ends in the quarry site
- **No infrastructure located within the quarry site** except for a small guard outpost
- **Residential houses and farmlands** located **northern side** of Maslun

EXPANSION OF THE SILICA QUARRY OF THE HERBS OF ARTURO DAYCO



People

DISPLACEMENT OF SETTLERS/DISTURBANCE OF PROPERTIES



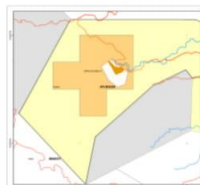
- A map of the MPSA indicates that **no households and structures will be affected** by the expansion of the quarry project
- If ever forest and vegetation covers will be affected, **reforestation zones will be established** for progressive re-greening or assisted natural regeneration

EXPANSION OF THE SILICA QUARRY OF THE HERBS OF ARTURO DAYCO





CHANGE/CONFLICT IN LAND OWNERSHIP



- There will be **no change/conflict** in land ownership.
- The project will be inside the **MPSA granted by the DENR to the Heirs of Arturo Zayco**.

EXPANSION OF THE SILICA QUARRY OF THE HEIRS OF ARTURO ZAYCO



CHANGE/CONFLICT RIGHT OF WAY

- Roads to be constructed inside the project area will **not affect any right of way**.

EXPANSION OF THE SILICA QUARRY OF THE HEIRS OF ARTURO ZAYCO



IMPACT ON PUBLIC ACCESS

- The project will in **no way affect public access** since the area where the silica quarry will be **operated in no access road** from barangay Maaslum to its neighboring barangays.

EXPANSION OF THE SILICA QUARRY OF THE HEIRS OF ARTURO ZAYCO



CULTURAL/LIFESTYLE CHANGE

- There is **no report of indigenous people** living in the municipality, as well as in the three (3) impact barangays.

EXPANSION OF THE SILICA QUARRY OF THE HEIRS OF ARTURO ZAYCO



IMPACTS ON PHYSICAL/CULTURAL RESOURCES

- There are **no archaeological, paleontologic, historical, religious, aesthetic or cultural resources** that will be affected.

EXPANSION OF THE SILICA QUARRY OF THE HEIRS OF ARTURO ZAYCO



THREATS ON AGRICULTURE AND INCOME DERIVED FROM IT



- Most of the agricultural areas in Maaslum is planted to **coconut, banana and a few patches of rice lands**.
- **Coconut and banana can tolerate acidic soil** which is an effect of quarrying activities.

EXPANSION OF THE SILICA QUARRY OF THE HEIRS OF ARTURO ZAYCO





THREATS ON AGRICULTURE AND INCOME DERIVED FROM IT



- While Barangays Gomentoc and Tampocan I are rice producing areas, the expansion of the quarry site is not within this area.
- Hence, a drastic decrease in income and harvest from agriculture is not expected.

EXPANSION OF THE SILICA QUARRY OF THE HERBS OF ARTURO, INC.



WATER SUPPLY

- There is no foreseen threat as the municipality draws water from nine (9) springs located in various barangays of the locality.

EXPANSION OF THE SILICA QUARRY OF THE HERBS OF ARTURO, INC.



EDUCATIONAL FACILITIES

- Improvement on the educational facilities with the help of the SDMP projects of the company.

EXPANSION OF THE SILICA QUARRY OF THE HERBS OF ARTURO, INC.



GENERATION OF LOCAL BENEFITS

- Increased local government revenue in terms of excise tax, occupation fees, RPT, fees and charges
- Increased opportunities for employment and livelihood
- Increased money in circulation which will support the sustainability of small businesses in the locality

EXPANSION OF THE SILICA QUARRY OF THE HERBS OF ARTURO, INC.



SOCIAL DEVELOPMENT AND MANAGEMENT PROGRAM

SOCIAL DEVELOPMENT AND MANAGEMENT PROGRAM

During the Social Impact Assessment done in 2016, the SDMP projects implemented in the past addressed the needs and concerns existing in the communities.

Residents were very satisfied with the implemented projects

EXPANSION OF THE SILICA QUARRY OF THE HERBS OF ARTURO, INC.



EXPANSION OF THE SILICA QUARRY OF THE HERBS OF ARTURO, INC.



SOCIAL DEVELOPMENT AND MANAGEMENT PROGRAM

IMPROVEMENT OF ROADS, FOOT TRAILS AND FOOT BRIDGES
ELECTRIFICATION PROJECT
WATER FACILITIES DEVELOPMENT
 Rehabilitation of **streetlights**
 Provision of **medicines**
 Acquisition of a **service vehicle** to transport the sick
 Construction of **barangay facilities**
 Purchase of a **school bus**
 Livelihood projects (**mobile rice mill , cattle fattening**)

**SDMP MOVING FORWARD
(2020 – 2025)**

EXPANSION OF THE SILICA QUARRY OF THE HERBS OF ARTURO DAYCO



EXPANSION OF THE SILICA QUARRY OF THE HERBS OF ARTURO DAYCO



SDMP MOVING FORWARD (2020 – 2025)

HEALTH



- Medical missions
- Enhancement of medical equipment and apparatus
- Regular monitoring of workers and residents regarding lung related diseases

EXPANSION OF THE SILICA QUARRY OF THE HERBS OF ARTURO DAYCO



SDMP MOVING FORWARD (2020 – 2025)

EDUCATION



- Upgrading of school facilities like libraries
- Educational support to high school and college students
- Support to Brigada Eskwela

EXPANSION OF THE SILICA QUARRY OF THE HERBS OF ARTURO DAYCO



SDMP MOVING FORWARD (2020 – 2025)

LIVELIHOOD



- Capability enhancement through trainings
- Assessment and identification of livelihood alternatives (priority, skills availability, available resources and support mechanisms)

EXPANSION OF THE SILICA QUARRY OF THE HERBS OF ARTURO DAYCO



SDMP MOVING FORWARD (2020 – 2025)

ENVIRONMENT



- Planting of trees in buffer zones to mitigate presence of dust and noise during mining activities and transport of mined products by trucks.

EXPANSION OF THE SILICA QUARRY OF THE HERBS OF ARTURO DAYCO



SDMP MOVING FORWARD (2020 – 2025)

DISASTER AND RISK MANAGEMENT



- Trainings for the residents on first aid and disaster preparedness
- Provision of simple tools such as whistles and empty bottles to alert community during disasters and calamities

EXPANSION OF THE SILICA QUARRY OF THE HERS OF ARTURO DAYCO



SDMP MOVING FORWARD (2020 – 2025)

SOCIO-CULTURAL AND RELIGIOUS ACTIVITIES IN THE BARANGAYS



- Continue to support through CSR funds

EXPANSION OF THE SILICA QUARRY OF THE HERS OF ARTURO DAYCO



SALAMAT PO

EXPANSION OF THE SILICA QUARRY OF THE HERS OF ARTURO DAYCO



ATTENDANCE SHEETS OF STAKEHOLDERS



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PUBLIC HEARING Expansion of the Silica Quarry of the Heirs of Arturo Zayco ATTENDANCE SHEET

Venue: Ayungon Gymnasium, Municipality of Ayungon, Negros Oriental
Date: November 7, 2019 (Thursday)
Time: 9:00 AM

No.	NAME	Gender		Contact Details	Sector/Address/Barangay	Signature
		M	F			
1.	Pedro C. Eladio	-			Poblacion Ayungon	
2.	Charles Andaya	M			Poblacion Ayung	
3.	ANTHONY EARL MAITIM	-			BRGY. POBLACION	
4.	Itamas A. Deguitas	.	✓		Brgy. Maasluon	
5.	MIRASOL S. EADW		-		Brgy. Banbau	
6.	PIL ALIPAN	✓			Calag - calag	
7.	JANET P. DIONALDO		✓		Gomentoz	
8.	Honorato Amancio	-			Tampocon 1	
9.	ANW C. ORLASAN		-		Tampocon 1	
10.	Lemuel B. Sandigan	✓			Gomentoc	

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		M	F			
1.	Ruthelma Guardarig		✓		Maaslum	
2.	Mely Gonzales		✓		Maaslum	
3.	Reina Jessa L. Santalao		✓	09269364524	MENRO SECRETARIAT	
4.	ARLIN L. TOME		✓	099792291812	POBLACION	
5.	Lovely B. Fligan		✓	09353271194	POBLACION	
6.	MILA P. CAPILLA		✓	09269362049	Maaslum	
7.	Arnel C. LEBATO		✓	09971453083	San Aygon / Tay I	
8.	WILBERTA F. PATROCINO		✓	09975914475	POBLACION	
9.	GARY C. KRAWER	✓		09068289257	NIA / Sibuyan	
10.	FELIPE T. DIBZ	✓		09163623313	NIA / Sibuyan	

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		M	F			
1.	Melquino S. Siencos	✓		0950 694 5012	NIA / Sibulan	
2.	MARK DEL J. ELEN	✓		0935 321 5666	NIA / SIBULAN	
3.	RUDITO D. JANDOMON SR.	✓			CEMENTOC	
4.	Claudio G. Medez				Tampocan II	
5.	RITO E. MIRAFLORES	✓		0985 520 94582	TAMPOCAN II	
6.	ROMUALDO F. MANA-AY	✓		0977-792-4732	DPWH-NOPED BINDAY	
7.	ARNOLD P. ACADEMIA	✓		09277265182	AYUNGON PHS - Tampocan I	
8.	Virgilio Aguirre			0935 467 7831	PB Tampocan I	
9.	Turista Puy		✓		EMB Rev Com	
10.	LABAO, RUBEN O.	✓		0926 504 5059	RESIDENCE	

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		M	F			
1.	Ferlan S. Costano	/		09061107258	Maaslum	
2.	BANTAYAO ROLDAN	/		09157862419	ANIBONG	
3.	MAHINAY THELMA		-		maaslum	
4.	Arlene C. Embeluid		-	09265701984	Maaslum	
5.	Julito J. Romane	-			anibong	
6.	EDUARDO D. SILVANO	-		09751901258	ANIBONG	
7.	DANILLO J. LIPASADA			09556992914	GONATENC	
8.	Densing SOC	-			Awadn	
9.	JONAMIE PUBLICO		-	09066448644	Gonaten	
10.	JOEL R. INDIO	/			Maaslum	

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		M	F			
1.	GIDEON PUBLICO	✓			GOMENTOC	
2.	CRESAN A. EMPERADO	✓			POBLACION	
3.	JESSICA B. BALASABAS		✓		CALAGCALA	
4.	EDGAR L. MARTINEZ	✓			LGU: MPDC AYUNGON	
5.	RODAN CORTESU	✓			CRUPO AYUNGON	
6.	Concordio Remorosa	✓			STEPS, Ayungon	
7.	Rose Dama J. MATHINAY		✓		CHIEF, CENTRAL OFFICE	
8.	CASTROVERDE, JELIE MAE D.		✓		SP. MEMBER TAMPOCON 1, AYUNGON	
9.	Bryan Lee B. Pasolan	✓			Brig. Kagawad Tamp. 1	
10.	Jarrell Barraguias	✓			Poblacion, Ayungon	

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		M	F			
1.	Ramonito I. Daynpan	✓		09269337634	HMDC	
2.	BRIAN RIVAR	✓		09667648860	CAVAT - CAVAT	
3.	SANDRA C. CADIENTE		✓	09956818394	Brgy. Maaslum	
4.	LOURDES C. CABUAL		✓	09361886419	Brgy. Maaslum	
5.	MAHINAY, MICHAEL GUINN	✓		09655395600	HMDC	
6.	Saturno G. Cabual	✓		09061082976	LGU	
7.	Elan D. Incio			0908805706	DENR Ayungon	
8.	Honorato Palis	✓			Bill Consultant	
9.	Meryn Carmelita Rivera		✓		Bill Consultant	
10.	May Angelica G. Radam		✓		Bill Project Support Staff	

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		M	F			
1.	Tita B. Chua		✓		Tampoon I Ayungon	
2.	Criselda D. Abraso		✓		Tampoon I Ayungon	
3.	Norberto R. Pastor	✓			Tampoon I Ayungon	
4.	ADAMO C DIALINO	✓			GOMENTOC, AYUNGON NEGROS	
5.	LEO MARTINEZ					
6.	Lilibeth Abella		✓		Gomentoc Ayungon Neg. Or	
7.	LEONIE Deguitos		✓		Maaslum Ayungon Neg. Or	
8.	Felipe R. Aguirre		✓		Maaslum	
9.	Romano Santalia E.		✓		Engineering dept LGU - Ayungon	
10.	Doni-Jimmy del Rosario	✓			Gomentoc, Ayungon Neg. Or	

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		M	F			
1.	VIRGIE TAGHOY		/	09059127698	POB. AYUNGON NEG. OR.	<i>Virgie Tagho</i>
2.	RESHIEL F. UGLARIO		/	09263870064	"	<i>Reshiel Uglario</i>
3.	Marichu J. Misagrande		/	09653370962	Calagcalag Ayungon	<i>Misagrande</i>
4.	MERLE Y. Garcia		✓	09069644647	POB. AYUNGON, NEG. OR.	<i>Merle Garcia</i>
5.	MITZIE T. NOBLEFRANCA		✓	09755174557	POB. AYUNGON NEG. OR.	<i>Mitsie Noblefranca</i>
6.	DEBORAH E. VINEZA		✓	09258800124	Tampocan & Ayungon, Neg. Or.	<i>Deborah Vineza</i>
7.	ARIEL G. CAPILLA	✓		0977-482-0373	TAMPOCAN FARMERS IRRIGATORS ASSN	<i>Ariel Capilla</i>
8.	Salvador J. Aguirre	/		09365937425	Tamp. I Ayungon Kugwood	<i>Salvador Aguirre</i>
9.	JOSEPH M. BALUMBAL	/		09177093699	COMENJO, AYUNGON NEG. OR.	<i>Joseph Balumbal</i>
10.	ROXANA T. DOVERO		F	09069822260	DPWH-NORDEO, PINDAY	<i>Roxana Dovero</i>

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1.	RICHARD LYU P. TUMULAK	✓		09060629892	DPWH XOFDEO	
2.	Dalia D. Dupio		✓	09058308758	Prng. kgawed	
3.	NORLEX ADSUARA	/		09175402530	HMDC	
4.	WILLIAM SALT	✓		0935247607	DPWH - BINDOY	
5.	ARONNO C. CARINAL JR	-		0935769584	P.B - AYUNGON	
6.	CHOSTER CABAUA	-		09088151500	FIARC EMB-DENR	
7.	TERESITA INAO		✓	09278953256	ANIBONG	
8.	Maria Teresa A. Endim	✓		09263446472	ANIBONG	
9.	Dularte Degunt		✓		anibong	
10.	Geleta V. Culumba	✓		09187274249	Anibong	

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		M	F			
1.	RESIL E. MAHINAY	✓			BRGY. POPULACION	<i>[Signature]</i>
2.	EVERETO M. GUDIO	✓			BRGY ANIBONG	<i>[Signature]</i>
3.	RICARDO A. BELSUA	✓			Brgy. Anibong	<i>[Signature]</i>
4.	SOFRONIO G. BENLOT	✓			Brgy. Anibong	<i>[Signature]</i>
5.	Rudy C. Gudio	✓			Brgy. Anibong	<i>[Signature]</i>
6.	CILOR P. GUARARUA	✓			HOLCOM MILIK	<i>[Signature]</i>
7.	REYNALDO R. TABALA	✓			EMB FIARC	<i>[Signature]</i>
8.	Eduardo C. Guardarido	✓			Anibong	<i>[Signature]</i>
9.	FELFRED V. BENLOT	✓			II	<i>[Signature]</i>
10.	GILBERT II D. GUTANG	✓			Tampacan I	<i>[Signature]</i>

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		M	F			
1.	LEVE B. DELACRO	✓		0908929415	ENRD PROVINCE OF NEGROS	
2.	JAY S. MANANQUEIL	M		09561396381	ENRD " " "	
3.	Jennifer Gaballo		✓	09161185855	Maadum, Ayungon Neg-Or.	
4.	Resil E. Mahinay	✓		09169238203	PB Bugy Poblacion	
5.	FEBUN T. GABALLO			09161185855	Brgy - Maadum	
6.	Eldred M. Dayupan	✓		09972718478	GFIA - Gomentoc Ayungon	
7.	INDRICO S. KRONG	✓		0916342354	DENR AYUNGON	
8.	TRINA Z. TAN		✓	09157973864	Bacolod City	
9.	FERRANDO C. TRANSGORO	✓		09066579044	DEK - DENR	
10.	RESTY RAYMUND T. BULANON	✓		09266826071	HMDC	

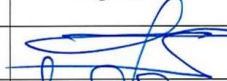




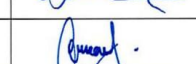




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		M	F			
1.	CARL SANTIAGO	/		920-2240	DENR-EMB CO	
2.	ARONIE S. PALMA	-			ENRD- OSTE	
3.	FORNITO CWIN	-			BOOKMAN	
4.	Rolly ARROYO	/			BACOLOD CITY	
5.	ETEMI ABELCA	-			GOMENTOC	
6.	BENIE E. CANON		✓		CALAGCALAG	
7.	Jeanne T. Deguit		/		CALAGCALAG	
8.	LARAMAGNE S. CALIBO		/		CALAGCALAG	
9.	ALFONSO P. APODACA	✓			CALAGCALAG	
10.	EDGAR AYOMA	/			HKZ/HRDC	

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RECEIVED INVITATION LETTERS

Please see attached Received Invitations.