

Annex A

Stakeholder minutes and attendance lists

MINUTES OF MEETING



Topic	:	“Discussion/Sharing on Sarulla Project activities”		
		Silangkitang village, Pahae Jae Sub District		
Attendees	:	▪ Silangkitang local communities (attendance list attached)	Date :	Aug 27, 2013
		▪ Head of Pahae Jae Sub District		
		▪ Head of Silangkitang Village	Time :	2.30 -4 pm
		▪ SOL's team		
		▪ ERM (Adis R D)	Venue :	SD Inpres Silangkitang
			Prepared by:	Melva Samosir & Diana

Agenda:

- Opening: Prayer by Mr. Alden Sitompul
- Welcoming speech by Mr.Industan (SOL External Relation Officer)
 Mr. Industan explained that the objective of this meeting is to discuss about Sarulla Project related activities to the communities in Silangkitang. Everybody present in this meeting is given the opportunity to express their concern and questions related with the project freely, and furthermore, should the communities still have any concerns or queries after this meeting, it could be conveyed to SOL external relation officers or through Head of Village. He expressed his expectation that this meeting would be of benefit to the local communities.
- Presentation & explanation on the project by Pak Petrus Gunawan
 - Geothermal video presentation
 - Brief history of Sarulla Geothermal Project
 - Introduction on SOL as the project proponent
 - Project activities and its impacts
- Discussion – Q & A

No	Name	Questions/Comments/Suggestion	SOL's responses
1	Pak Sitompul	What is SOL?	SOL (Sarulla Operations Limited) is a consortium consists of four companies: PT Medco Power Indonesia, Kyushu, Ormat, and Itochu. SOL is the proponent of Sarulla Project which is having a contract (JOC) with PT PGE as the concession owner and Energy Contract Sale (ESC) with PLN.
2	Pak Lamhot Sitompul	How SOL will manage the negative impact of "Noise"?	Noise will be monitored and minimized as much as possible by using a "silencer". Standard Operating Procedure for operation is established to address the issue of noise. This issue is also addressed in the Environmental management Plan (RPL/RKL) document.
3	Pak Sinaga	<ul style="list-style-type: none"> - Is H2S would be produced by the project? - Communities' must be protected from its impacts 	-In any geothermal location, H2S exists even without the presence of a geothermal power plant because it's part of the nature. And during project operation, H2S odor might occur but based on the study made by the project, it will not more than 0,02 ppm

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			(regulatory standard for H2S odor). - To avoid and minimize any impacts to the communities and project's workers, H2S will be monitored and controlled and it is part of the environmental Management plan (RKL/RPL)
4	Pak Parinton Sihombing	<ul style="list-style-type: none"> - This project will bring more positive impacts to the local communities and will help to develop the economy of the villages surrounding project area. - I myself had worked in some geothermal field survey previously and I know that geothermal is very useful for producing power and it is environmental friendly so we have to support this project for the benefit of our area and our people. 	Noted by SOL
5	Village Secretary	<ul style="list-style-type: none"> - Any projects will have negative impacts, but it should be minimized and managed. - One of the impacts that were recently experienced by Silangkitang area is SOL's contractor trucks that transport the soil through the road and the soils was falling from the truck and made a lot of dust. This has been reported to SOL. This should not be happened again and SOL must really monitor the work of its contractors. 	<ul style="list-style-type: none"> - SOL noted this and expressed its apology for this occurrence. - SOL will follow up this issue and communicate with related contractors and ensure that all standard operation procedures as well as HSE guidelines are fully adhered to by all contractors.
6	Head of Village (Radot Sihombing)	<ul style="list-style-type: none"> - To add on dust issue, I have talked to the related contractor (Multifab) and also to SOL, but this was happened again. And I am disappointed because of this and really urge SOL to take action even if the contractor is local or non local. So, since this is still the first case, SOL has to learn from this and not to let the same thing happen and make local communities disappointed. - The communities will regard all contractors' behavior and actions as SOL's thus SOL should also be responsible for any impacts or results from contractors (local or non local) works. - SOL should commit to implement all management plan stated in the AMDAL document. 	<ul style="list-style-type: none"> - SOL will take action and will follow up this issue and communicate with related contractors and ensure that all standard operation procedures as well as HSE guidelines are fully adhered to by all contractors. - SOL noted and it is SOL's obligation to implement the environmental management plan in the project as in accordance with AMDAL document.
7	Pak Pane	<ul style="list-style-type: none"> - What is the objective of this meeting? -What is the status of AMDAL and who approves the AMDAL? 	<ul style="list-style-type: none"> -Discussion & sharing on Sarulla Geothermal Project Activities. - AMDAL is approved by Governor of North Sumatera on August 2009
8	Pak Radot Sihombing	How H2S will be managed during flow test and how long flow test will be conducted?	<ul style="list-style-type: none"> -Test would be conducted for about 2 months. Injection test (SIL 1 & SIL 2) would not cause any noise or H2S because it is only for water injection. - Production test for two wells will take about one and a half months.

5. Closing

MINUTES OF MEETING



Moderator: Explaining that any questions, inputs or concerns may be conveyed to SOL (verbal or written) to SOL external relation Officer or through the Head of Village.

Prayer

Attendance List:

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DAFTAR HADIR DALAM RANGKA SHARING MENGENAI KEGIATAN PROYEK PEMBANGKIT LISTRIK PANAS BUMI

HARI / TANGGAL : SELASA, 27 AGUSTUS 2013

NO	NAMA	ALAMAT	TANDA TANGAN
1.	RION - NABARAN	Silangkitang Dolok	[Signature]
2.	Daniel Toba Sihombing	Silangkitang dolok	[Signature]
3.	LAMUDI SITOMPUL	SILANGKITANG DOLOK	[Signature]
4.	TONGAN SIBARANI	SILANGKITANG DOLOK	[Signature]
5.	BANGUN SITOMPUL	Silangkitang dolok	[Signature]
6.	TAMBUN SIBARANI	Silangkitang dolok	[Signature]
7.	RIMMON HT BARAT	Silangkitang Panga	[Signature]
8.	JAWARDO HT. BARAT	SILANGKITANG	[Signature]
9.	PARSAORAN SITOMPUL	SILANGKITANG	[Signature]
10.	HOSINE SIHOMBING	Silangkitang	[Signature]
11.	BANJUN HUTA BARAT	11-	[Signature]
12.	RAMDOT SIHOMBING	Silangkitang	[Signature]
13.	BISTOK SIHOMBING	HT Dangir	[Signature]
14.	HENDRY SIHOMBING	HT Sampul-PIL	[Signature]
15.	TOTO ISWANTO NABARAN	HT LOSOR	[Signature]
16.	NANSEK SIBARANI	SILANGKITANG	[Signature]
17.	JONNY SIHOMBING	HUTA DANGIR	[Signature]
18.	HENRI SIHOMBING	Pada hancu Sina	[Signature]
19.	LAMARUS SIHOMBING	Silangkitang	[Signature]
20.	MULIATA SIHOMBING	Silangkitang	[Signature]
21.	Mauli afe. Sibarani	Silangkitang	[Signature]
22.	Ruhut Sibarani	Sil. Dolok	[Signature]
23.	Krispan Saraga	Gubang / Silangkitang	[Signature]
24.	Dungo Huta barat	Silangkitang	[Signature]
25.	RADOT SIHOMBING	Silangkitang	[Signature]



HARI / TANGGAL : SELASA, 27 AGUSTUS 2013

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Topic	:	"Discussion/Sharing on Sarulla Project activities"		
		Sigurung-gurung village, Pahae Jae Sub District		
Attendees	:	▪ Sigurung-gurung local communities (attendance list is attached)	Date :	Aug 28, 2013
		▪ Head of Pahae Jae Sub District		
		▪ Head of Sigurung-gurung Village	Time :	14.48 -4 pm
		▪ SOL's team		
		▪ ERM (Adis R D)	Venue :	GPKB Pangaloan
			Prepared by:	Melva Samosir & Diana

Agenda:

1. Opening: Prayer by the Church Pastor.

2. Welcoming speech by :

-Head of Village (Mr. Saul Sihombing)

Today's meeting is to have a discussion and sharing about Sarulla project and everybody may express his/her questions, inputs, concerns openly in this meeting.

-Head of Sub District (Mr. Elyanto)

Local communities of Pahae Jae sub district has committed to support the project even since UNOCAL and as government, our role is also to support this project.

3. Presentation & explanation on the project by Pak Petrus Gunawan

- Geothermal video presentation
- Brief history of Sarulla Geothermal Project
- Introduction on SOL as the project proponent
- Project activities and its impacts

4. Discussion – Q & A

No	Name	Questions/Comments/Suggestion	SOL's responses
1	Luhut Sitompul	<ol style="list-style-type: none"> 1. Request SOL to provide training for local communities to develop their skill so that they can work in the project. 2. To prioritize the local labors (from Pahae/ Pangaloan area) to work in the project in accordance with their skill and capacity. 3. Since the project is developed in our area, we expect that we can have free electricity 	<ol style="list-style-type: none"> 1. SOL is committed to prioritize local resources including labors in accordance with their skill and capacity. 2. For training, it will be part of SOL CSR long term program. Currently, SOL is in the process of recruiting and short listing the children from local communities which is part of SOL's commitment for maximizing local labors. 3. SOL doesn't have the authority to answer this because the contract scheme.
2	Martin Sitompul	-Good intention from SOL to maximize local resources will be implemented in the future; however I want to ask why previous recruitment for current SOL's employees in Sarulla was especially the drafter's assistants.	-Previous recruitment was in a very urgent situation and we had tried to look for local people but we did not find candidates with the required skills.
3	Bilser Sitompul	1. Request that socialization like this must be done jointly for both Sigurung-gurung and	1. SOL's intention to conduct separate meeting is to ensure that interaction

MINUTES OF MEETING



		<p>Silangkitang, do not conduct separately because culturally</p> <p>2. Please explain what is CSR and AMDAL</p> <p>3. Maximize local resources according to their skills and tell the truth to local communities.</p>	<p>between the SOL and villages will be more effective because combine two villages in a meeting will involve a large number of people and discussion might not be as effective as a discussion with a smaller number of people. However, SOL noted this and will combine the two villages for future's meetings with local communities.</p> <p>2. CSR is Corporate Social Responsibility; as stipulated in the regulation, all companies operate in an area or location is obliged to develop a CSR program. SOL in this case is also obliged to develop CSR program and it is being planned and prepared. The programs will be based on the needs of local communities and SOL will establish another coordination meeting with each village to discuss about CSR programs and its implementation.</p> <p>3. AMDAL is environmental analysis required by the Government before a project operates in an area. Based on latest regulation (PP No. 27 year 2012) on Environmental permit, AMDAL is an inseparable document to Environmental permit. SOL's AMDAL was approved by in August 2009.</p> <p>4. SOL noted and will maximize local resources in accordance with the need of the project in each phase.</p>
4	Srimunarti	<p>Please explain more on some of the negative impacts</p>	<p>All negative impact will be managed and minimize as stated in the environmental management plan such as:</p> <p>1. Land acquisition – socialization and negotiation</p> <p>2. Mobilization of equipments- material – controls all the vehicles and establishes a SOP.</p> <p>3. Drilling – water resource will be from Batang Toru but it will be a small scale.</p> <p>4. Land slides from some clearing – establish an adequate drainage system and terrace land scheme.</p> <p>5. Potential leaking in pipe – check and certification system for all the pipes before used in the project.</p> <p>6. H2S – Monitoring and control H2S. Without the project, H2S actually already exists in the area, however, it might escalates therefore, SOL will monitor and control it when the project runs.</p> <p>7. To minimize and manage the potential risks, SOL has established SOP/HSE guidelines.</p>

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5	Luhut Sitompul	Commitment on CSR should be written so that it's not only in words	SOL actually already had signed MoU on CSR to local communities in March 2011. Some CSR activities has been conducted in the form of donation and assistances to local communities, however this is a short term program and long term CSR program is still being planned and developed
6	Martin Sitompul	Request SOL to control the salary/ wage system /standard of its contractors so that local communities' welfare are	It is a very important valuable input for us and we will communicate this to our contractors
7	Sitompul	-Grateful for the presence of SOL to bring the change in this area. -Expect that our children not only working as daily labor or contract but must be permanent, we do not expect that our children to be a director but in accordance with their skill and background. We have sold our land and our wish that our children may work in this company.	SOL noted this.

5. Closing & prayer

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Attendance List:

DAFTAR HADIR DALAM RANGKA SHARING MENGENAI PROYEK PEMBANGKIT LISTRIK PANAS BUMI DI PAHAE

HARI / TANGGAL : RABU, 28 AGUSTUS 2013

NO	NAMA	ALAMAT	TANDA TANGAN
1	Romy	Banjarspea	[Signature]
2	HERIANTO	HT BOGASAN	[Signature]
3	Syamsuddin, parapat	Sigurungz	[Signature]
4	Pinar d. Sitompul	Sigurungz Bagasan	[Signature]
5	G.B. TAMBAUNAN	Sigurungz HT. Bagot	[Signature]
6	S. Gultom	— — —	[Signature]
7	Bilser Sitompul	Huta Paia	[Signature]
8	NELSON Sitompul	BANJARPEA	[Signature]
9	St Razin Sitompul	Banjarspea	[Signature]
10	Rihut Sitompul	Huta Banjarspea	[Signature]
11	Jesajas Sitompul	Huta Bagasan	[Signature]
12	Sarah Sitompul	Huta Bagasan	[Signature]
13	Supratman Sitompul	Banjarspea	[Signature]
14	Parlin Parapat	Banjarspea	[Signature]
15	Pangolai S.	Banjarspea	[Signature]
16	Rihut. Pangolai	Sigurungz HT Bagasan	[Signature]
17	Julus Sitompul	Banjarspea	[Signature]
18	DENNI TAMBUANAN	SIGURUNGZ HT. BAGOT	[Signature]
19	Togar Sitompul	Sigurungz HT Bagot	[Signature]
20	Jumaga H. Igaly	Sigurungz HT Bagot	[Signature]
21	B. Sauter	Sigurungz	[Signature]
22	Tulus D. Sitompul	Sibara-bara	[Signature]
23	Junus parapat	Sigurungz - gurung	[Signature]
24	TONNY SHOMISING	Banjarspea	[Signature]
25	HOTBER Pangaitan	Banjarspea	[Signature]

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DAFTAR HADIR DALAM RANGKA SHARING MENGENAI PROYEK PEMBANGKIT LISTRIK PANAS BUMI DI PAHAE

HARI / TANGGAL : RABU, 28 AGUSTUS 2013

NO	NAMA	ALAMAT	TANDA TANGAN
26	Bambang Sitompul	Banjar pea	<i>[Signature]</i>
27	Prian Sitompul	Banjar pea	<i>[Signature]</i>
28	Luhut Sitompul	BANJARPEA	<i>[Signature]</i>
29	OBELIN RUMAH	HT Bagas	<i>[Signature]</i>
30	HARA SITOMPUL	Sig ² HT BAGASAN	<i>[Signature]</i>
31	JONSON SITOMPUL	Sig ² HT BAGOT	<i>[Signature]</i>
32	MAKARI SIMANUNGKALIT	BANJARPEA.	<i>[Signature]</i>
33	Binsar Sitompul	Banjar Pea	<i>[Signature]</i>
34	Aulman Siadun	Banjar pea	<i>[Signature]</i>
35	Aernan Parapai	Banjar pea	<i>[Signature]</i>
36	Donner Sitompul	— > —	<i>[Signature]</i>
37	Richard Parapai	— > —	<i>[Signature]</i>
38	Ranap Pangdaen	HT. Bagasan	<i>[Signature]</i>
39	YIMBUR PANJATI	BANJARPEA	<i>[Signature]</i>
40	RAJUMAN PARAPAI	BANJAR PEA	<i>[Signature]</i>
41	Rihat Sitompul	HT Bagasan	<i>[Signature]</i>
42	Yessias Sitompul	HT Bagasan	<i>[Signature]</i>
43	Sacha Sitompul	HT Bagasan	<i>[Signature]</i>
44	St. Rajin Sibranting	Banjar pea	<i>[Signature]</i>
45	NELSON SITOMPUL	Banjar pea	<i>[Signature]</i>
46	Sgbar - v	Si - Bagasan	<i>[Signature]</i>
47	J. Sitompul	Bagasan	<i>[Signature]</i>
48	RUSLISI BARRANI	B. pea	<i>[Signature]</i>
49	Mutiara Pangaita	B. pea	<i>[Signature]</i>
50	Reni Tambunan	B. pea	<i>[Signature]</i>

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DAFTAR HADIR DALAM RANGKA SHARING MENGENAI PROYEK PEMBANGKIT LISTRIK PANAS BUMI DI PAHAE

HARI / TANGGAL : RABU, 28 AGUSTUS 2013

NO	NAMA	ALAMAT	TANDA TANGAN
51	Tiama Sitompul	Banjarpes	
52	Leria Siregar	Banjarpes	
53	Sri Munarti	Sigung 2	
54	Martian Pangastan	Sigung 2	
55	Romita Sitompul	Sigung 2	
56	WSTERIP PARDOS	SEKDES Sigung 2	
57	Petrus Gunduan		
58	Industah Sitompul		
59	Melva		
60	Elyanto Sitompul		
61	Kades Sitompul Sigund		
62	Alden Sitompul		
63	Arthur A-S		
64	Jetri Nainggolan		
65	Adi Sihuanan		
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Topic	:	“Discussion/Sharing on Sarulla Project activities” Pardamean Nainggolan village, Pahae Jae Sub District		
Attendees	:	▪ Pardamean Nainggolan local communities (attendance list attached)	Date :	Aug 29, 2013
	:	▪ Head of Pahae Jae Sub District		
	:	▪ Head of Pardamean Nainggolan Village	Time :	3.00 -5 pm
	:	▪ SOL's team		
	:	▪ ERM (Adis R D)	Venue :	HKBP Pangaloan
	:			
	:		Prepared by:	Melva Samosir & Diana Tampubolon

Agenda:

1. Opening: Prayer by local Communities' representative

2. Welcoming speech by

- Head of Village (Mr. Robert Sitompul)

This is a good opportunity for local communities to express any concerns, inputs and suggestions to SOL.

- Head of Sub District (Elyanto Sitompul)

It is important for local communities to pay full attention to the presentation and discussion today and we expect that local communities may provide positive inputs to SOL so that this project may run smoothly.

3. Presentation & explanation on the project by Pak Petrus Gunawan

- Geothermal video presentation
- Brief history of Sarulla Geothermal Project
- Introduction on SOL as the project proponent
- Project activities and its impacts

4. Discussion – Q & A

No	Name	Questions/Comments/Suggestion	SOL's responses
1	Robert Pakpahan	I am one of the land owners in this village and I need a job and also for my friends here.	Land owners will be prioritized and labors for the project will be maximized from the surrounding villages as well in accordance with the project needs in each stage.
2	Hendri Gultom	1.Is Lapindo case will happen in this project? 2.How the company will manage H2S? 3.How does SOL announce the recruitment/employment opportunities?	1. Lapindo case will not be likely to occur in this project because this is a geothermal project while Lapindo is geo gas project, therefore it is quite different. 2. SOL will control and manage H2S level through a third party named Verdaco, and H2S level will be minimized to not more than 0,02 ppm (regulatory standard on odor). 3. Currently, the need for labors/workers is still quite small. Notification on any vacancies will be conveyed to through the Head of Village.
3	James Simorangkir	If the project runs, please consider the development for local communities.	The company noted this well and it will be part of our CSR planning & program

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4	Meriam Nainggolan	<p>1. Is there any impact on soil?</p> <p>2. Permanent status for local employees</p> <p>3. Will there be any problems such as explosion in this area after the project operates?</p>	<p>1. Geothermal operation and activities do not have impacts on soil fertility and just as seen in the video a number of geothermal fields in Indonesia are side by side /located within an agricultural area.</p> <p>2. SOL noted this. This is will be in accordance with project's needs in each phase.</p> <p>3. - Any project will have impacts to the surroundings and we will manage these impacts. Geothermal power plants could not operate if its surroundings are not preserved well.</p> <p>-Explosion referred here is the rupture disc that is supposed to explode and might</p>
5	Pangeran Pakpahan	Different salary standard by the contractors	SOL will communicate and coordinate with the contractors including local contractors
6	Marolop Hutapea	Labor recruitment is really competitive; therefore training for local labors is required. As stated in the MoU with local communities, SOL will provide training for the local communities.	Well noted and it is part of SOL's commitment and will be part of CSR program which is still being planned and arranged. The process will be in phases and currently we're still at the very early stage of the project, thus it will be developed gradually.
7	Hinsa Pakpahan	<ul style="list-style-type: none"> - SOL must consider the safety issues on H2S very well. - Maximized the local resources including agricultural commodities that could be utilized for SOL's employees/staff & activities. - Development for our village. 	Well noted and part of our commitment for CSR program.
8	Muntal Simatupang	<ul style="list-style-type: none"> - SOL must be careful during drilling activities for the new drills, provide any required safety equipments to local communities such as masks etc. - Maximize the local resources and recruit the local labors in accordance with their skills. - In the future, please manage all impacts from the project. - Please assist our area in its development such as education, agricultural 	Well noted and it will be part of the SOL's commitment in project implementation.

5. Closing

This is not the only meeting that will be conducted by SOL with local communities; there will be other discussions/meetings throughout project cycle with local communities.

Prayer

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Attendance list:

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DAFTAR HADIR DALAM RANGKA SHARING MENGENAI PROYEK PEMBANGKIT LISTRIK PANAS BUMI DI PAHAE DESA PARDAMEAN NAINGGOLAN

HARI / TANGGAL : KAMIS, 29 AGUSTUS 2013

NO	NAMA	ALAMAT	TANDA TANGAN
1	HINSA PAKPAHAN	Desa Pardamean	[Signature]
2	Mamurpak Simatupang	Desa pardamean	[Signature]
3	Pungla P. Simatupang	Desa. Pardamean	[Signature]
4	Suryadi Simatupang	Desa pardamean	[Signature]
5	Marf. Gultom	Desa pardamean	[Signature]
6	Laurentius Simatupang	Abn. Uluang	[Signature]
7	JAMES. SIMAPANGKIE	PAKPAHAN	[Signature]
8	Punguan Simatupang	Hume. Burle.	[Signature]
9	Junior panggabean	Derci. pardamean	[Signature]
10	HENDRI GULTOM	PARDAMEAN.	[Signature]
11	Robert Pakpahan	Pardamean	[Signature]
12	MOSBEN PAK PAHAN	Desa. Pardamean	[Signature]
13	Marlot Hutapea	— / —	[Signature]
14	Swaroi D. ARIANJA	— / —	[Signature]
15	Agustin Gultom	— / —	[Signature]
16	Tiopam Simorangin	— / —	[Signature]
17	Saul simatupang	— / —	[Signature]
18	LETON Simatupang	— / —	[Signature]
19	Maringan pakpahan	— / —	[Signature]
20	Meriam namagolan	— / —	[Signature]
21	Poenan Simatupang	— / —	[Signature]
22	Parlaungan Sinaga	Ranto Panjang	[Signature]
23	omapeza Sitalabing	Ranto pang	[Signature]
24	RANTI PAK PAHAN	— / —	[Signature]
25	Gr. Alselsius silaban.	Godung	[Signature]

 **Sarulla**
Group Ltd

HARI / TANGGAL : KAMIS, 29 AGUSTUS 2013

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"Discussion/Sharing on Sarulla Project activities"				
Topic	:	Pardomuan Nainggolan village, Pahae Jae Sub District		
Attendees	:	▪ Pardomuan Nainggolan local communities (attendance list attached)	Date :	Aug 30, 2013
	:	▪ Head of Pahae Jae Sub District		
	:	▪ Head of Pardomuan Nainggolan Village	Time :	2.37- 5 pm
	:	▪ SOL's team		
	:	▪ ERM (Adis R D)	Venue :	SD Inpres Pardomuan Nainggolan
	:			
	:		Prepared by:	Melva Samosir & Diana

Agenda:

1. Opening: Prayer by St. Sitompul
2. Welcoming speech by Head of Pardomuan Nainggolan Village
3. Presentation & explanation on the project by Pak Petrus Gunawan
 - Geothermal video presentation
 - Brief history of Sarulla Geothermal Project
 - Introduction on SOL as the project proponent
 - Project activities and its impacts
4. Discussion – Q & A

No	Name	Questions/Comments/Suggestion	SOL's responses
1	Marida nainggolan	- When project operates, how about the settlements surrounding the project? - Will there be any case such as Lapindo/mud disaster?	-Settlement surrounding the project location will not be moved. -Sarulla project is geothermal while Lapindo is gas project, basically it's different thus lapindo case will not happen in geothermal project.
2	Liani sianturi	Will there be any impacts on irrigation/water resource when the project operates?	Water intake for this project will not have any impacts on the surface water because drilling will be very deep (3000 -4000 meters).
3	Head of Pardomuan Nainggolan village	-Benefits for local communities especially our village. - Prioritize the local labors and recruitment from each village must be equal.	- It is part of CSR program which is being planned and prepared for short, medium and long term program. -We commit to prioritize the local labors and currently, local recruitment has been conducted and is being processed for some positions.
4	Dompok Sitompul	-As a company, is SOL a temporary or a permanent entity? Our children need to know so that we can understand the nature of their employment with SOL. - Is the salary received by SOL's employee in dollar or Rupiah?	-SOL (consortium) as the developer of this project has 30 years contract. -SOL's employees salary is in Rupiah
5	Tegas nainggolan	What kind of the education background/skill that will be required to work in SOL?	Basically SOL receives various educational background but in particular for operation stage, technical background will be required more.
6	Marida Nainggolan	Can SOL provide assistance for our children's education especially for the ones that have achievement?	It is part of SOL's commitment for CSR program and its planning and implementation is being planned and

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			discussed. We will discuss further with local communities because the program must be based on the needs from the local communities.
7	James Tampubolan	<p>-Please use/utilize our local labors in the project.</p> <p>-Why there hasn't been any recruitment from our village</p> <p>-Please provide training for us so that we can work in the project.</p>	<p>-We are committed for maximizing local resources</p> <ul style="list-style-type: none"> - Currently we are in the recruitment process and we know that some of the candidates are from this village and some other villages as well. - It will be part of our CSR program in the long term.
8	Prider Sitompul	If this project already operates in the future, what will be the benefits and its contribution to the local communities?	<ul style="list-style-type: none"> - The project will deliver benefits such as the use of local resources or commodities for project's activities. - The contribution will be in the form of CSR programs in each village in accordance with the needs of each village.

5. Closing

Moderator: Explaining that any questions, inputs or concerns may be conveyed to SOL (verbal or written) to SOL external relation Officer or through the Head of Village.

Prayer

MINUTES OF MEETING



Attendance List:

DAFTAR HADIR DALAM RANGKA SHARING MENGENAI PROYEK PEMBANGKIT LISTRIK PANAS BUMI DI PAHAE DESA PARDOMUAN NAINGGOLAN

HARI / TANGGAL : JUMAT, 30 AGUSTUS 2013

NO	NAMA	ALAMAT/ JABATAN	TANDA TANGAN
1	Pangihutan Nainggolan	Pakkat	[Signature]
2	Muktaq Nainggolan	H.T. Buetul	[Signature]
3	DACKAH SIKAGA	O. JORO	[Signature]
4	BISTOK SIMATUPANG	O JORO.	[Signature]
5	JAMES TOMPUBOLON	Pakkat (BPD)	[Signature]
6	ELINTAR Tambunan	Pakkat	[Signature]
7	TEGAS Nainggolan	Pakkat	[Signature]
8	FRINSEN SIMPL	Liang Singa	[Signature]
9	DONAL. NAINGGOLAN	O. JORO	[Signature]
10	LUGGUE SIMATUPANG	O. JORO	[Signature]
11	DIMPAL NAMPAL	Liang Singa	[Signature]
12	ARMINTON SAMOSIR	SLU, Liang Singa	[Signature]
13	ANWAR H. BARAT	O. JORO	[Signature]
14	LARENYTA. S. HANUBANG	O. JORO	[Signature]
15	MUBTER Sihombing	O. JORO	[Signature]
16	Tiomol Kobaban	O. JORO	[Signature]
17	JUSMINAR PASARIBU	O. JORO	[Signature]
18	Merantika Sitompul	O. JORO	[Signature]
19	Nurchayati Gultom	O. JORO	[Signature]
20	ROMANNA SAMOSIR	O. JORO	[Signature]
21	BENARDO Nainggolan	O. JORO	[Signature]
22	Suha Nainggolan	O. JORO.	[Signature]
23	Emmi Silitonga	Liang Singa	[Signature]
24	'Keletus' Baily		[Signature]
25	MARIDA NAINGGOLAN	ORIAN JORO	[Signature]

MINUTES OF MEETING



DAFTAR HADIR DALAM RANGKA SHARING MENGENAI PROYEK PEMBANGKIT LISTRIK PANAS BUMI DI PAHAE DESA PARDOMUAN NAINGGOLAN

HARI / TANGGAL : JUMAT , 30 AGUSTUS 2013

NO	NAMA	ALAMAT/ JABATAN	TANDA TANGAN
26	PARALINGAN NAINGGOLAN	ONANJOBO / KADES	
37	ANDI MAHDI NAINGGOLAN	Desa pardomuan	
38	Burju Sitompul		
39	Jammi Nainggolan	Liang Punga	
40	HOTMAN NAINGGOLAN	LIMASINGA BPD	
41	ARIFIN Sitonga	Bamar dolok	
42	Periang Nainggolan	Huta Bruntal	
43	Radiasi RGL	Desa pardomuan	
44	Petrus gunawan	SOL	
45	Industan Sitompul	SOL	
46	Arthur AS.	SOL	
47	Melva	SOL	
48	Adis	SOL	
49	Diana	SOL	
50	Alden Sitompul	SOL	
51	Maradut Sinaga	SOL	
52	Adi Siahaan	SOL	
53	Syamsuddin	SOL	
54	Hendrik Siahaan	SOL	

MINUTES OF MEETING



Topic	:	“Discussion/Sharing on Sarulla Project activities” Simataniari village, Pahae Julu Sub District		
Attendees	:	▪ Simataniari local communities (attendance list attached)	Date :	Aug 30, 2013
	:	▪ Representative from Pahae Julu Sub District Office		
	:	▪ Head of Simataniari Village	Time :	09.20 – 11 am
	:	▪ SOL's team		
	:	▪ ERM (Adis R D)	Venue :	HKBP Simataniari
	:			
	:		Prepared by:	Melva Samosir & Diana

Agenda:

- Opening: Prayer by one of Church Ministers
- Welcoming speech by:
 - Head of Simataniari Village
 - Representative of Pahae Julu Sub District: To avoid conducting any meetings on Fridays in the future Because there is market day on Friday and people might not come.
 - Representative of local elders: SOL should be transparent to local communities
- Presentation & explanation on the project by Pak Petrus Gunawan
 - Geothermal video presentation
 - Brief history of Sarulla Geothermal Project
 - Introduction on SOL as the project proponent
 - Project activities and its impacts
- Discussion – Q & A

No	Name	Questions/Comments/Suggestion	SOL's responses
1	Dimpos Tambunan	Where will SOL dispose the drilling waste?	As seen in the video presentation, the drilling waste refers to water and it will be re-injected to the earth, thus it will not pollute its surrounding environment.
2	Parluhutan Sitompul	-I myself support the presence of this project but this project must not disturb the irrigation system. -Prioritize local communities/resources - When the project operates, there should be contribution for the development of our village	- The project will not disturb the irrigation system. - Well noted. -This will be part of CSR program
3	Pawel Sitompul	- Local communities expect that whatever happened during UNOCAL period will not re-occurred now with SOL. - Please do not disturb our irrigation system. - Consider and check the project location in Hutajulu which was opened during UNOCAL time because it closes the irrigation system.	- Well noted by SOL - After this meeting, SOL team will check directly to the field.
4	Pendeta Saut Sitompul	How about land status after the 30 years of contract?	After the contract ends, all lands will be handed over to PGE since they were purchased on PGE's name. Thus land ownership will be on PGE.
5	Janton simatupang	- All acquired lands for access road must be constructed well so that it can be used by local	-Well noted

MINUTES OF MEETING



		<p>communities as well to go to the plantation/ rice field areas.</p> <p>- SOL and its contractors (PT PP) to prioritize the local resources and labors such as CV. Simataniari and CV. Sibaganding</p>	<p>-Prioritization of local resources is already realized in Pahae Jae sub district but still quite limited because activities are still very few. There will be more activities in the coming future and we are committed to prioritize the local resources.</p>
6	Sutan Sitompul	<p>- Project activities must protect the rice field and plantation area and should not disturb the agricultural activities in our village.</p>	<p>Well noted and it is part of our risk management plan. However, local communities should not be hesitant to report and communicate any issues on this subject to SOL through Head of Village and our External Relation Staff.</p>
7	Jonson Sitompul	<p>-Prioritization of local labors</p> <p>-When will be the payment for our land conducted? Because land owners in Simataniari and Sibaganding village are already waiting to be paid.</p>	<p>-Well noted and its realization is currently ongoing by the first recruitment process for some positions and candidates are from the Pahae Julu and Pahae Jae sub district.</p> <p>-Thank you for land owners' patience and payment date will be informed formally to all land owners through letters one week in advance.</p>
8	Doharman Sitompul	<p>-Need location map for UNOCAL acquired land and</p> <p>-SOL must inform and notify any local communities whose lands are close to the project location prior to starting any activities to anticipate any impacts.</p>	<p>Well noted and will be followed up.</p>
9	Jannus	<p>-Issue about leaking during UNOCAL period and it should not be re-occurred in this project.</p> <p>-Safety issue must be considered.</p> <p>-Existing irrigation system to be protected</p> <p>-Minimum wage for local labors must be clear and transparent.</p> <p>-SOL should recruit one external relation staff from our village</p>	<p>- Well noted and followed by SOL.</p> <p>-SOL already has external relation staff and for Simataniari, Lumban Jaean, and Sibaganding village will be cover by Mr. Marlan. Besides Pak Marlan, local communities could also convey any concerns, inputs and questions trough Head of Village.</p>
9	Rudi (Head of Village)	<p>-Prioritization of local resources because we also have some people with skills such as operators in our village.</p> <p>-Contractors (PT PP) must be as transparent as possible.</p> <p>-Contractors (PT PP) should pay the local contractors in a timely manner</p>	<p>-Well noted and will be coordinated with contractors.</p>

5. Closing
Moderator: Explaining that any questions, inputs or concerns may be conveyed to SOL (verbal or written) to SOL external relation Officer or through the Head of Village.

Prayer

MINUTES OF MEETING



Attendance List:

DAFTAR HADIR DALAM RANGKA SHARING MENGENAI PROYEK PEMBANGKIT LISTRIK PANAS BUMI DI PAHAE DESA SIMATANIARI

HARI / TANGGAL : JUMAT , 30 AGUSTUS 2013

NO	NAMA	ALAMAT	TANDA TANGAN
1.	DIMPOS TAMBUNAN	SIMATANIARI	
2.	Siregar Sitompul	Jakarta	
3.	MARTOTTAS	Sitompul	
4.	Tumbur Pakpakon	Simataniari	
5.	SUTAN. Sitompul	-1-1-	
6.	Rodimon Simatupay	Simataniari	
7.	Marlin Sitompul	-1-	
8.	Elman Simatupay	-11-	
9.	Bisbul an Stp2	-11-	
10.	Maloder Sitompul	-11-	
11.	FERRANDO SITOMPUL	SIMATANIARI	
12.	Lambert Sitompul	-11-	
13.	Ramses Sitompul	-11-	
14.	Romero Sitompul	-11-	
15.	Aman. Sitompul	-11-	
16.	DAVID: SITOMPUL	-11-	
17.	Helman Sitompul	-11-	
18.	Basjen Sitompul	-11-	
19.	MARALAP Sitompul	-11-	
20.	RUNDO. Simatupay	-11-	
21.	Doharman Sitompul	-11-	
22.	SAHAUA Sitompul	-11-	
23.	Sumantoro Sinaga	-11-	
24.	DULrupen Sitompul	-11-	
25.	SIMON. Sitompul	-11-	

MINUTES OF MEETING



DAFTAR HADIR DALAM RANGKA SHARING MENGENAI PROYEK PEMBANGKIT LISTRIK PANAS BUMI DI PAHAE DESA SIMATANIARI

HARI / TANGGAL : JUMAT , 30 AGUSTUS 2013

NO	NAMA	ALAMAT	TANDA TANGAN
	H. Sitompul	- // -	
	J. Sitompul	Simataniari	
	ELSON SIMAMORA	- // -	
	M. Sitompul / ds. simataniari	Simataniari	
	M. simanjuntak	Simataniari	
	SARITA Abu Tobing	- // -	
	Herbin Sandokop	- // -	
	Besim Sinaga	Simataniari	
	Kala Giliheruga	Simataniari	
	P. Sitompul	- // -	
	PAWEL Sitompul - HUTAJULU		
	HASIHOLAN SIMATUPANG	SIMATANIARI	
	Danton Simatupang	Simataniari	
	Rudi H. Sitompul	Simataniari	
	INDUSTRI SITOMPUL	SOL	
	HOTMA NAEK SITOMPUL	SEKAM PAHAEJULU/PAHAEJULU	
	Charles Penggabean	Palembang	
	H. Sitompul	PALEMBANG	
	SIMPSON SITOMPUL	SIMATANIARI	
	Perlinggoman Sitompul	Simataniari	
	IWAN SITOMPUL	SIMATANIARI	

MINUTES OF MEETING



Topic		“Discussion/Sharing on Sarulla Project activities”		
		Onan Hasang & Janji Natogu village, Pahae Julu Sub District		
Attendees		▪ Onan Hasang & Janji Natogu local communities (attendance list attached)	Date :	Aug 31, 2013
		▪ Representative from Pahae Julu Sub District Office		
		▪ Head of Onan Hasang & Janji Natogu Village	Time :	09.20 – 11 am
		▪ SOL's team		
		▪ ERM (Adis R D)	Venue :	HKI Onan Hasang
			Prepared by:	Melva Samosir & Diana

Agenda:

- Opening: Prayer by one of Church Ministers
- Welcoming speech by:
 - Head of Janji Natogu Village

Our village will be part of the access road to the project thus we also have the rights to convey any inputs, concerns or questions to SOL.

 - Representative from Head of Sub District Office
- Presentation & explanation on the project by Pak Petrus Gunawan
 - Geothermal video presentation
 - Brief history of Sarulla Geothermal Project
 - Introduction on SOL as the project proponent
 - Project activities and its impacts
- Discussion – Q & A

No	Name	Questions/Comments/Suggestion	SOL's responses
1	Pantas siregar	-I understand that SOL already conducted some of similar meeting like this previously. -What is the impact of project activities on: a. Plantation b. children (under 12 years old) health -Who will be responsible for the project?	- All projects will have both negative and positive impacts and these are identified and addressed in the RKL/RPL document. And negative will be minimized and reduced in the RKL-RPL. a. Direct on plantation only limited to the cutting of trees/plantations for all acquired, and impact on the close surrounding will be some cutting waste (leaves, woods). b. In general impacts will apply to anybody disregarding the age; some of the impacts such as Noise (short term) and will be socialized. But all these impacts will be controlled and monitored. -SOL is the responsible organization for project activities. SOL has three external relation staff (Pak Industan, Pak Marlan and Pak Alden) and communities are welcomed to communicate to our external relation staff on any issues related with the project.

MINUTES OF MEETING



2	T. Br Simatupang	Local labors from Pahae area must be prioritized because we have unemployed young people in our area.	Noted and it is part of SOL's commitment to local communities, prioritization of local resources will be in accordance with project needs and phase. There will be recruitment process and will be informed to local communities.
3	Pastor - HKI Onan Hasang	<p>-Please do not conduct any activities on Sundays to respect the Christians in the area.</p> <p>-Before its COD in 2017, SOL should already implement CSR activities in this area.</p> <p>-Appreciation on SOL's presence in this area where it will open a lot of opportunities for local communities and I encourage all local communities in this village to work harder because this project will require a lot of supplies that could be supplied locally.</p> <p>- Is geothermal project will also produce H2S as we have in our village?</p>	<p>-SOL actually is off on Sundays but in some phase, some activities might be continued on Sundays such as drilling.</p> <p>-We are currently developing CSR program and activity is still limited to donations to some village activities. For future CSR programs, SOL will conduct discussions at the village level and with related stakeholders.</p> <p>-H2S is normal and exists in any geothermal fields but the odor level will be monitored and controlled.</p>
4	Palinter Simanjuntak	<p>-Free education for our children up to college level.</p> <p>-Please keep us informed of any recruitment process for the project to avoid any social jealousy.</p> <p>-Expect that this project will develop the area and help to build the character of the young people in this area.</p>	<p>-Education will be part of our CSR program and the plan is being developed.</p> <p>-Well noted and it will be informed openly and currently we disclose it through the Head of Village</p>

5. Closing

Moderator: Explaining that any questions, inputs or concerns may be conveyed to SOL (verbal or written) to SOL external relation Officer or through the Head of Village.

Prayer

MINUTES OF MEETING



Attendance List:

DAFTAR HADIR DALAM RANGKA SHARING MENGENAI PROYEK PEMBANGKIT LISTRIK PANAS BUMI DI PAHAE DESA ONAN HASANG/ JANJI NATOGU

HARI / TANGGAL : SABTU , 31 AGUSTUS 2013

NO	NAMA	ALAMAT/ JABATAN	TANDA TANGAN
1	Waldemar Sitompul	Korabel	[Signature]
2	Persimam Huta Barat	Janji Natogu	[Signature]
3	Jommar Sormin	Janji Natogu	[Signature]
4	Geknauli Siregar	Janji Natogu	[Signature]
5	Juden Siagian	Janji Natogu	[Signature]
6	Fiber Simanungkal	- 11 -	[Signature]
7	Parasian	- 11 -	[Signature]
8	H Siregar	- 11 -	[Signature]
9	P. Dorysman	- 11 -	[Signature]
10	R. Sitompul	- 11 -	[Signature]
11	M Sormin	- 11 -	[Signature]
12	M. SIREGAR	- 11 -	[Signature]
13	B To Giga	- 11 -	[Signature]
14	M. Silencia	- 11 -	[Signature]
15	P. SIREGAR	- 11 -	[Signature]
16	W. SIREGAR	- 11 -	[Signature]
17	JAMESON SIREGAR	- 11 -	[Signature]
18	A. Siregar	- 11 -	[Signature]
19	R. Siregar	- 11 -	[Signature]
20	M Siregar	- 11 -	[Signature]
21	AMSIA SIREGAR	- 11 -	[Signature]
22	S. SIREGAR	- 11 -	[Signature]
23	Baruas Sihombing	- 11 -	[Signature]
24	Lintang Manalu	- 11 -	[Signature]
	M. MUNTJE	- 11 -	[Signature]

MINUTES OF MEETING



DAFTAR HADIR DALAM RANGKA SHARING MENGENAI PROYEK PEMBANGKIT LISTRIK PANAS BUMI DI PAHAE DESA ONAN HASANG/ JANJI NATOGU

HARI / TANGGAL : SABTU , 31 AGUSTUS 2013

NO	NAMA	ALAMAT/ JABATAN	TANDA TANGAN
26	Fernando. Sitompul	Janji natogu	[Signature]
27	ALEX. Tampukolon	Janji Raja	[Signature]
28	AMRI - TAMBUNAN	JANJI NATOGU	[Signature]
29	CHARLES SIREGAR	Janji natogu	[Signature]
30	Gok m. Sitompul	Janji natogu	[Signature]
31	Bistok Salsan	Janji natogu	[Signature]
32	Jonris pasaribu.	Janji natogu.	[Signature]
33	Pab sarnama tambunan	Janji natogu	[Signature]
34	EMEN EZER	JANJI NATOGU	[Signature]
35	Hendra - Siregar	Kelurahan	[Signature]
36	B. Simamora	Kelurahan	[Signature]
37	Desman Siregar	Kelurahan	[Signature]
38	SAFRUDIN ZEBUA	JANJI NATOGU	[Signature]
39	qayus Tambunan.	Janji Raja/Kel	[Signature]
40	RO NURDO	KELURAHAN	[Signature]
41	PIRDAWES SIREGAR	KELURAHAN	[Signature]
42	MARALI. P. PASARIBU.	KELURAHAN	[Signature]
43	PARINDUNGAN SIREGAR	Kelurahan	[Signature]
44	TAHAN SITOMPUL	KELURAHAN	[Signature]
45	Muduk Sinaga	Kelurahan	[Signature]
46	JALDI SIREGAR	Janji natogu	[Signature]
47	BENHART SINAGA	JANJI NATOGU	[Signature]
48	Rusti Tampukolon	Janji natogu	[Signature]
49	Kanpi tabit	Janji natogu	[Signature]
50	HAPPY bratobing	Janji natogu	[Signature]

MINUTES OF MEETING



DAFTAR HADIR DALAM RANGKA SHARING MENGENAI PROYEK PEMBANGKIT LISTRIK PANAS BUMI DI PAHAE DESA ONAN HASANG/ JANJI NATOGU

HARI / TANGGAL : SABTU, 31 AGUSTUS 2013

NO	NAMA	ALAMAT/ JABATAN	TANDA TANGAN
1	P. br. Tompul	Janji Natogu (Petani)	[Signature]
2	P. br. SORMIN	- " -	[Signature]
3	D. br. Sinaga.	- " -	[Signature]
4	L. br. Purba.	- " -	[Signature]
5	N. br. Lubis	- " -	[Signature]
6	Porwondongoran	Onan Hasang / Petani	[Signature]
7	Merhan Siregar	Janji Natogu	[Signature]
8	Birnung Munte.	Janji Natogu	[Signature]
9	A. Hilompul	Janji Natogu	[Signature]
10	Saput Asi Suga	Janji Natogu	[Signature]
11	Pdt. HENRI SIHOTANG.	Janji Natogu / Pendeb	[Signature]
12	Pg. Manurung	Kel. O. Hasang	[Signature]
13	Pantas Siregar	Kel. O. Hasang / LPM	[Signature]
14	Guntor Silasari	Petani	[Signature]
15	Rumaslan br. Si anipun	Onan Hasang / Petani	[Signature]
16	R. br. Pakpahan	Janji Natogu / Petani	[Signature]
17	ROSINTA.SIHOMBING	JANJI .NATOGU	[Signature]
18	ROS MEMI ATITLH-	O. HASANG.	[Signature]
19	RAIMA HULIS	JANJI NATOGU	[Signature]
20	MINDANG SIREGAR	O. HASANG.	[Signature]
21	AHMAD .H. SORMIN	JANJI NATOGU	[Signature]
22	ELDI Panggabean	Onan Hasang / Petani	[Signature]
23	NETTY PANGGABEAN	JANJI NATOGU	[Signature]
24	R. Siregar	Janji Natogu	[Signature]
25	E - Pasaribu	Janji Natogu	[Signature]

MINUTES OF MEETING



DAFTAR HADIR DALAM RANGKA SHARING MENGENAI PROYEK PEMBANGKIT LISTRIK PANAS BUMI DI PAHAE DESA ONAN HASANG/ JANJI NATOGU

HARI / TANGGAL : SABTU , 31 AGUSTUS 2013

NO	NAMA	ALAMAT/ JABATAN	TANDA TANGAN
26	M. Siregar	Janji natogu	[Signature]
27	A. Siregar	Janji natogu.	[Signature]
28	R. Dr. Sormin	Janji Natogu	[Signature]
29	St. H. Sormin	- - -	[Signature]
30	M. MANTU	- - -	[Signature]
31	D. TOBING	Onanhasang	[Signature]
32	F. SITOMPUL	O. HASANG	[Signature]
33	AGUS. SILABAN	O. HASANG	[Signature]
34	A. GULTOM	- - -	[Signature]
35	A. SINAGA	- - -	[Signature]
36	NIKSON P. 1000	- - -	[Signature]
37	RUDI. SIREGAR	- - -	[Signature]
38	MENDE. SIREGAR	- - -	[Signature]
39	HOLMES. TOMPOL	- - -	[Signature]
40	H. SIMATUPANG	- - -	[Signature]
41	D. SITOMPUL	- - -	[Signature]
42	B. Tampubolon	- - -	[Signature]
43	I. MARALU	- - -	[Signature]
44	BOBBI. SITOMPUL	- - - JANJINATOGU	[Signature]
45	J. Manik	ONAN HASANG	[Signature]
46	PJ. / PK JUJUR. P. 1000	ONAN HASANG	[Signature]
47	Jusner Siregar	STAF Kantor Gasa	[Signature]
48	N. SITOMPUL	Onan Hasang	[Signature]
49	PICO. SIREGAR	JANJINATOGU	[Signature]
50	PRINSEN PASARIBU	ONANHASANG.	[Signature]

MINUTES OF MEETING



DAFTAR HADIR DALAM RANGKA SHARING MENGENAI PROYEK PEMBANGKIT LISTRIK PANAS BUMI DI PAHAE DESA ONAN HASANG/ JANJI NATOGU

HARI / TANGGAL : SABTU , 31 AGUSTUS 2013

NO	NAMA	ALAMAT/ JABATAN	TANDA TANGAN
1	ALEX PAKPAHAN	Janji natogu	[Signature]
2	Lambert Simamora	Janji natogu	[Signature]
3	Kembar Siregar	- 11 -	[Signature]
4	Geina. Sianturi	- 11 -	[Signature]
5	Rosmira. Siregar	- 11 -	[Signature]
6	B. H/L Barak	- 11 -	[Signature]
7	O. NOVA. MUKA	- 11 -	[Signature]
8	T. Dongman	- 11 - masyarakat	[Signature]
9	O. Tuti	- 11 - Harang	[Signature]
10	Op Ertahim Siregar	onan hasang	[Signature]
11	MURMAYATI. SIREGAR	JANJI NATOGU	[Signature]
12	L. BR. REGAR	- 11 - 11 -	[Signature]
13	T. SIAGIAN	ONAN - HASANG	[Signature]
14	D. Huda pta	Onan hasang	[Signature]
15	S. Pasiaibu	onan hasang	[Signature]
16	D. Sumatapang		[Signature]
17	Th. Siregar	onan hasang/ petani	[Signature]
18	MURPI SHITE	JANJI NATOGU	[Signature]
19	MANTUA OPAKIBO	onan hasang	[Signature]
20	Berman Pangrahan	onan hasang/ sek. lurah	[Signature]
21	Lamria Silalahi	Onan hasang/ kelurahan	[Signature]
22	DUTTA Sihombing	onan hasang/ petani	[Signature]
23	ANITA hasianja	onan hasang/ petani	[Signature]
24	JANUS SIREGAR	JANJI NATOGU	[Signature]
25	A. Sitompul	- 11 -	[Signature]

MINUTES OF MEETING



Topic	:	"Discussion/Sharing on Sarulla Project activities" Sibaganding & Lumban Jaeen village, Pahae Julu Sub District		
Attendees	:	▪ Sibaganding & Lumban Jaeen local communities (attendance list attached)	Date :	Aug 31, 2013
	:	▪ Head of Sibaganding & Lumban Jaeen Village	Time :	15.50 – 17.30
	:	▪ SOL's team		
	:	▪ ERM (Adis R D)		
	:		Venue :	SD Negeri Lumban Jaeen
	:		Prepared by:	Melva Samosir & Diana
	:			

Agenda:

- Opening: Prayer by one of Church Ministers
- Welcoming speech by:
 - Head of Sibaganding & Lumban Jaeen Village
- Presentation & explanation on the project by Pak Petrus Gunawan
 - Geothermal video presentation
 - Brief history of Sarulla Geothermal Project
 - Introduction on SOL as the project proponent
 - Project activities and its impacts
- Discussion – Q & A

No	Name	Questions/Comments/Suggestion	SOL's responses
1	Sitompul	Who will be responsible for any negative environmental impacts from this project?	SOL is responsible organization
2	Saut sitompul	-Many of (<i>Petai</i>) trees died and its production is very low currently because of the project activities. -Since electricity is produced from our area, communities should have free access to electricity.	-Geothermal operation does not have any impacts on plantation and we haven't started the operation yet. This still needs to be further investigated. -SOL doesn't have the authority to answer and decide this because SOL is only producing the electricity while distribution itself is PT PLN responsibility.
3	Budiman sitompul	How about the old well that will not be used by SOL?	The old and unused well will be closed out properly and safely. We have checked the old well and pressure is very low.
4	Bonardo Stompul	-SOL to build: a. Hospital b. Church c. Schools -How SOL will manage the earthquake risk?	-This is part of our CSR program and it will be adjusted with the needs of each village. -As we all know, even before this project exists, this area is already regarded as earthquake area and it's part of the nature in this area. Therefore, one of our efforts is to construct the facilities which will anticipate any earthquake risks.

MINUTES OF MEETING



5	OP. Sari Panjaitan	Will there be any impacts on our water?	There will be no impacts on the surface water because the project will drill very deep (3000 – 4000 M).
6	Dimpu Sitompul	<ul style="list-style-type: none"> -The communities should support this project and company should not damage the environment and implement the AMDAL. -Local labors must be prioritized in accordance with their skill and expertise. 	<ul style="list-style-type: none"> -Well Noted -SOL is committed for this and has been implemented in some of the recent activities.
7	Marsuha Sitompul	<ul style="list-style-type: none"> -Our concerns should be addressed in the AMDAL so that we can feel secured. -As far as I know, <i>Petai</i> trees as commented by Sitompul are not from the projects because this problem (plantation disease) already exist even long before SOL start its activities in this area. Some insects attacked the trees and ate up the whole plantation, thus we need to find solution on this. -When will be the payment date for our land? 	<ul style="list-style-type: none"> - Well noted -Payment for land is still being arranged and fixed by SOL. The land owners will be officially and individually notified through a letter from SOL.
8	Gomos Sitompul	<ul style="list-style-type: none"> -SOLs' responsibility on any environmental hazards/sanctions must be written & regulated. -Prioritize local labors -How about access road that passes through the graveyard? SOL is not going to buy it or not? 	
9	Sitompul	<ul style="list-style-type: none"> -There must be a sharing of profits with surrounding villages. -Impacts on the environment must be explained and addressed in the AMDAL -To make the local communities understand more about geothermal, SOL should arrange and send representatives from each village in Pahae Julu & Pahae Jae to see a geothermal operation field in other areas so that we are more convinced and clear about a geothermal project 	
10	Pastor	-Training/Courses for local young people so that they can employed in the project	- Well noted and will be part of our CSR program.
11	Situmeang	- Who is going to be trusted about AMDAL? Whether our people/children that lives outside of our village who inform us about AMDAL a few weeks ago or SOL as the project proponent?	<ul style="list-style-type: none"> -AMDAL is a required document by the regulation which is carefully prepared by experts and already approved by the government therefore local communities should trust that this document addressed the communities' concerns. Local communities should learn and find the correct information from the right sources and understand the issue very well. Do not easily provoked by any irresponsible individuals who do not understand about AMDAL or project related issues. -SOL is the one that will be responsible for any environmental impact as stated in the AMDAL.

5. Closing

Moderator: Explaining that any questions, inputs or concerns may be conveyed to SOL (verbal or written) to SOL external relation Officer or through the Head of Village.

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Prayer

Attendance List:

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DAFTAR HADIR DALAM RANGKA SHARING MENGENAI PROYEK PEMBANGKIT LISTRIK PANAS BUMI DI PAHAE DESA SIBAGANDING/LUMBAN JAEAN

HARI / TANGGAL : SABTU , 31 AGUSTUS 2013

NO	NAMA	ALAMAT/ JABATAN	TANDA TANGAN
1	Op. Jupi Hutakarat	Lumban Jaean	[Signature]
2	Op. Sendi Simalupa	Lumban Jaean	[Signature]
3	Rosmin Gultom	Lumban Jaean	[Signature]
4	Op. Dami Simarangkis	Lumban Jaean	[Signature]
5	Op. Daniel Simarangkis	Lumban Jaean	[Signature]
6	Op. Agnes. Sihombing	Lumban Jaean	[Signature]
7	Op. Nisi Lidiast	Lumban Jaean	[Signature]
8	Op. Pordi Spangy	Lumban Jaean	[Signature]
9	Op. Oey	Lumban Jaean	[Signature]
10	Op. Gerryis	Lumban Jaean	[Signature]
11	Op. Rika	Lumban Jaean	[Signature]
12	Op. Bepri	Lumban Jaean	[Signature]
13	JAE JOA. PASARIEU	SIBAGANDING	[Signature]
14	RANTOLONTOBING	SIBAGANDING	[Signature]
15	MARDIPPU. LON. Tobing	SIBAGANDING	[Signature]
16	MAJU. SITOMPUL	Lumban Jaean	[Signature]
17	MUNTER. SITOMPUL	Sibaganding	[Signature]
18	L. TOBING	L. Jaean	[Signature]
19	J. SITOMPUL	L. Jaean	[Signature]
20	Rasional Sitompul	L. Jaean	[Signature]
21	SAHALA. SITOMPUL	L. BULU	[Signature]
22	HARDINUS. HT. BARAT	SIBAGANDING	[Signature]
23	DIANES. SITOMPUL	L. JAERAI	[Signature]
24	Belman Samin	Sibaganding	[Signature]
28	BANJIR PORUKER	Sibaganding	[Signature]

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DAFTAR HADIR DALAM RANGKA SHARING MENGENAI PROYEK PEMBANGKIT LISTRIK PANAS BUMI DI PAHAE DESA SIBAGANDING/LUMBAN JAEAN

HARI / TANGGAL : SABTU , 31 AGUSTUS 2013

NO	NAMA	ALAMAT/ JABATAN	TANDA TANGAN
29	TOMU	SITAMPUL	[Signature]
30	HIMLEER P.	Sibaganding Mayan	[Signature]
31	Simbolot purno	usabil ketu. BPD	[Signature]
32	Bernardo Sitompul	Lbn. Jaen	[Signature]
33	Vethon Aloupe	Lbn. Jaen	[Signature]
34	B. Sitompul	Lbn. Jaen	[Signature]
35	Alenag Sitompul	Lbn. Jaen	[Signature]
36	CHANDRA P. - DPMK	Lbn. Jaen	[Signature]
37	U. Sitompul	Lbn. Jaen	[Signature]
38	Jon edward. sitompul	Lbn. Jaen. Sekdes.	[Signature]
39	SILBERT. Pinaraphin	Sibaganding	[Signature]
40	Petrus Gunawan	SOL	
41	Melva	SOL	
42	Arthur AS	SOL	
43	Marlan sitompul	SOL	
44	Alden sitompul	SOL	
45	Marudut Sinaga	SOL	
46	Adi Sahaan	SOL	
47	Adis	ERM	
48	Frangki	SOL	
49	Syam Suddin	SRB	
50	Diana Tampubolon.		
51			
52			
53			

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Some photos documentation:



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Topic :	Information sharing on Sarulla Geothermal Project with NGOs/CSOs		
Attendees :	▪ Shinohara	Date :	Sept 23, 2013
	▪ Fazil E. Alfitri	Time :	2 – 5 pm
	▪ Ibnu Nurzaman (MPI), Hendy N (MPI)	Venue :	Atanaya 2 meeting room, Atlet Century Park Hotel
	▪ Petrus Gunawan		
	▪ Sakaue Jumpei		
	▪ ADB team (Jackie, Lazeena, Cahyadi, Noraya)	Prepared by:	Herna Elysabet
	▪ SOL field team (Industan, Barus, Alden)		
	▪ SOL Jakarta team (Dian, Elis, Ria, Melva)		
	▪ ERM (Mery), ENVIRON (Dian)		
	▪ NGOs/CSOs (attendance list attached)		

1. Agenda

- Meeting was opened by Mr. Shinohara as SOL CEO and also Mr. Fazil E. Alfitri as SOL Director
- Video presentation on geothermal potential and operation in Indonesia
- Presentation on Sarulla Geothermal project activities
- Discussion (Q & A)

2. Discussion (Questions & Answers)

Name	Pertanyaan	Jawaban
1. Ibu Orchida AKSI (for Gender, Social and Ecological Justice, Indonesia)	Apakah nature dari keterundangan kami di pertemuan ini, apakah kami diundang untuk konsultasi publik atau sekedar information sharing?	Pertemuan ini merupakan bagian dari informasi sharing proyek Sarulla di tingkat nasional dan pertemuan ini bukan merupakan konsultasi publik karena proyek sudah mulai berjalan (tahap awal).
	<i>What is the nature of this meeting, are we invited for public consultation or just to an information sharing?</i> Apakah sistem/kegiatan yang sama juga diaplikasikan kepada masyarakat setempat?	<i>This meeting is part of the information sharing Sarulla Project at national level and this meeting is not a public consultation as the project has already commenced (early stage)</i> Sosialisasi termasuk information sharing juga sudah dilakukan kepada masyarakat /desa yang terkena proyek

<p>MINUTES OF MEETING</p>	 <p>Sarulla Operations Ltd</p>
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masalah dengan masyarakat. Kami ingin ingin tahu bagaimana penyelesaiannya. Dan apakah yang berlangsung dimasyarakat merupakan public consultation atau sekedar pemberian informasi biasa.

We have heard from some colleagues that advocates this case in North Sumatra, that there are some issues with local communities. We would like to know how the project handles these issues. Does the project really conduct public consultation or just a general information disclosure?

relation kami dan sampai saat ini , SOL belum pernah memiliki masalah dengan masyarakat. Beberapa masalah yang dilaporkan oleh masyarakat secara langsung kepada kami adalah kekhawatiran mengenai masalah irigasi dan tanaman pete yang terganggu. Untuk masalah irigasi, tim lapangan kami sudah memeriksa langsung ke lokasi bersama dengan penduduk. Sementara untuk masalah tanaman pete, kami masih harus melakukan studi lebih lanjut.

Grievance mechanism process in this project is applied through our external relation and up to now, we haven't had any issues with local communities. Some of the issues reported to us directly by local communities are the concerns on irrigation issue and impact on Pete plantation. On irrigation issue, our field team has checked to the location directly with the local communities. While for Pete plantation, we will need to study further.

Kegiatan konsultasi publik sudah dilakukan sejak awal proyek mulai berjalan termasuk pada awal penyusunan AMDAL pada tahun 2008 dan dilanjutkan dengan berbagai bentuk pertemuan/diskusi dengan masyarakat mengenai kegiatan proyek. Mengenai AMDAL sendiri, kami telah memberikan sosialisasi ke 13 desa Kami sudah memberikan executive summary AMDAL di 8 desa yang terkena dampak proyek secara langsung sementara document AMDAL beserta RKL-RPL ada di Kecamatan Pahae Julu dan Pahae Jae.

AMDAL merupakan design point SOL untuk dalam membangun fasilitas ini. Tanpa adanya compliance dengan AMDAL, kami tidak dapat melaksanakan proyek Sarulla. Ini

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		<p>merupakan Project clean energy dan bukan bertujuan untuk menghancurkan environment.</p> <p><i>Public consultation has been conducted since the early stage of the project including during the preparation of AMDAL /EIA in 2008 and continued with various forms of meetings/discussions with local communities on project activities.</i></p> <p><i>Regarding the EIA, we have been providing socialization to 13 villages. We have also provided executive summary of EIA for the 8 villages which directly affected by the project, while for the EIA document including RKL-RPL can be accessed in the sub-district Pahae Julu and Pahae Jae.</i></p> <p><i>The EIA analysis is the design point for SOL in developing the geothermal facilities. Without compliance with the AMDAL, we cannot implement Sarulla project. This is a clean energy project and not intended to destroy the environment.</i></p>
	<p>Seharusnya sharing ini dapat disampaikan lebih lengkap. Mungkin bisa dibagikan summary AMDAL nya. Namun proses ini tidak didukung dengan dokumen yang memadai.</p> <p><i>This sharing should be presented with more complete information. EIA summary should be shared. However, the process is not supported by adequate documentation.</i></p>	<p>Kedepannya kami akan buat summary untuk dishare kepada NGO/CSO sebagaimana diminta, untuk pemberian masukan mengenai sosialisasi dampak dan serta upaya pengelolaan dampak-dampak lingkungan.</p> <p><i>In the future, we will prepare a summary to be shared to the NGO / CSO as requested, for the provision of feedbacks on the impact socialization and its environmental impact management.</i></p>
	<p>Kami menilai informasi seperti dokumen tertulis kurang lengkap. Menurut kami ada banyak prasyarat2 ADB yang tidak dipenuhi.</p>	<p>Di dalam undangan kami sudah menyampaikan brief profile mengenai proyek ini. Jika ternyata informasi tersebut masih kurang, kami mempunyai matriks dan akan kami share jika diperlukan. Sedangkan untuk</p>

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	<p>AMDAL sendiri, kami sudah sosialisasikan di desa-desa yang terkena dampak secara langsung.. Dikarenakan dokumen yang sangat tebal, executive summary tersebut tersedia dan dapat diakses di Kepala Desa dan Kecamatan.</p> <p><i>We see that written information is not sufficient. And we are afraid that many preconditions from ADB are not fulfilled</i></p> <p>Kami akan mengirim surat mengenai permintaan untuk dikirimkan dokumen AMDAL.</p> <p><i>We will send a letter regarding EIA documents request.</i></p>	<p><i>We have conveyed brief profile about this project in the invitation. If it turns out the information is not enough, we have a matrix and will share it if required. As for the EIA itself, we have conducted socialization in villages which directly affected by the project. The executive summary is available and can be accessed at the Village Head and complete AMDAL document could be accessed in the Sub District Office.</i></p> <p><i>Noted</i></p>
<p>3. Bpk. Pius Ginting</p> <p>WALHI (Selaku pengkampanye tambang dan energi)</p>	<p>Untuk mekanisme komplain, akan ada petugas dan peran kepala desa. Namun berdasarkan apa yang kami lihat selama ini, level kepala desa/tokoh masyarakat bisa didekati oleh perusahaan, sehingga berjarak dengan warga. Hal ini akan menghambat penyampaian komplain warga. Sebagai saran, agar semua masyarakat dapat menyampaikan komplain langsung kepada perusahaan, tidak hanya dibatasi melalui kepala desa.</p> <p><i>Regarding complaint mechanism, there will be role of external relation officers and village head. However based on what we have seen so far, the level of the village</i></p>	<p>Kami memberikan akses yang seluas-luasnya kepada masyarakat untuk mengajukan segala bentuk keluhan kepada SOL. SOL sangat terbuka untuk semua masyarakat dapat menyampaikan keluhan/komplain kepada kami. Bahkan pada pertemuan-pertemuan yang telah dilaksanakan sebelumnya, kami tetap menjelaskan kepada masyarakat bahwa mereka bisa datang kepada Eksternal Relation, melalui Kepala Desa atau datang langsung (secara individu) kepada SOL. Hal ini akan lebih disosialisasikan kepada masyarakat.</p> <p><i>SOL opens the widest possible access to the community to submit any complaints. And SOL is very open to all community who wants to submit</i></p>

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head / community leaders can be approached by the company, so there will be a gap with the community. This would delay the delivery of the complaint/grievance. As a suggestion, the community should be able to submit complaints directly to the company, not only limited to the village head.

complaints to the company directly to the External Relations, the Village Head or come directly (individually) to SOL office at the site. This will be more socialized to the community.

Even at the meetings that have been held previously, we keep explaining to the local communities that they can come to the External Relations, through the village head or come directly (individually) to SOL office at the site.

Berdasarkan informasi yang kami dapat dari jaringan di lapangan, pada tahun 2006 pernah terjadi ledakan fasilitas geothermal ini disana, dan disebutkan bahwa warga di daerah Sibaganding mengeluhkan produksi pertanian yang menurun. Berarti ada dampak yang dirasakan oleh warga, dalam menghadapinya apakah yang SOL lakukan seperti mengadakan survey untuk mengetahui seberapa banyak yang mendukung dan yang tidak mendukung proyek ini.

Bukan di tahun 2006, tetapi tahun 1996 (pada masa Unocal), terjadi ledakan, namun tidak membahayakan.. Pada saat itu, UNOCAL telah pendekatan sosial dengan mengundang masyarakat untuk menjelaskan issue tersebut.

Mengenai masyarakat yang pro dan kontra, masyarakat sekitar tidak ada yang kontra. Namun terkadang informasi yg diberikan beberapa pihak dengan tanpa mengkonfirmasi /menanyakan terlebih dulu kepada narasumbernya (Pihak SOL), sehingga tidak bisa dipertanggungjawabkan.

SOL sudah melakukan survey sosial ekonomi pada bulan juni –Juli 2013 untuk mengetahui persepsi masyarakat mengenai proyek ini. Dari hasil survey tersebut diketahui bahwa warga di kedua kecamatan ini pada dasarnya mendukung proyek ini. Hasilnya akan kami jelaskan pada slides di presentasi ini.

Mengenai penurunan produksi (pertanian) sejak tahun 1996, hal ini belum bisa dipastikan / diketahui. Karena pengoperasian bahkan belum dimulai. Tidak ada hubungan antara produksi pertanian dengan proyek ini.

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	<p>Tetapi hal ini masih perlu dikaji lebih jauh.</p> <p><i>According to information that we received from our networks in the field, in 2006 there was an explosion and also a report stated that people in Sibaganding complained about the declining of their agricultural production. How did SOL handle this issue, has there been any study conducted or any survey to find out how many individuals supports and how many who do not support the project</i></p> <p><i>It's not in 2006, but In 1996 (during UNOCAL time) it is true that there was an explosion, but not a dangerous explosion. UNOCAL, at that time, had held a social approach by inviting the community to explain the issue</i></p> <p><i>So far the community is very supportive. Because sometimes the information given by several parties is without confirming / asking to SOL, so it cannot be justified.</i></p> <p><i>SOL has conducted socio-economic survey in June-July 2013 to find out the communities' perception about the project. From the result, it is found that basically, the communities support the project. The result would be explained in the slides of this presentation.</i></p> <p><i>Regarding the decline in agricultural production since 1996, it is still unclear. Because the operation has not even started. There is no relation between agricultural productions with this project. But it still needs further research/ study.</i></p>	
	<p>Selain itu bagaimana agar dampak negative di dalam AMDAL disosialisasikan ke masyarakat?</p> <p>Dampak –dampak didalam AMDAL kami, baik negative maupun positif sudah kami sosialisasikan dan jelaskan kepada masyarakat di 13 desa seperti kami jelaskan diatas. Komunikasi mengenai dampak-dampak ini tidak hanya akan dilakukan sekali saja saja, tetapi hal ini akan menjadi proses yang berkelanjutan semasa pelaksanaan proyek.</p> <p>Impacts explained in the AMDAL either negative or positive has been socialized and explained to communities in 13 villages as has been explained above.</p>	

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	<p>Moreover, how the negative impact from this project as mentioned in the EIA can be socialized to the community?</p>	<p>Communication with local communities on this will not only a single shot communication but will be continued throughout project cycle.</p> <p>Dengan disetujuinya AMDALpastinya kita punya mekanisme untuk menangani dampak-dampak yang muncul. Hal ini tentunya menjadi perhatian SOL, karena kami tidak mau masyarakat terganggu dan merasa tidak aman</p> <p>Terkait isu penurunan hasil tanaman yang kami pernah dengar adalah tanaman pete, yang disampaikan pada saat diskusi dengan masyarakat. Namun ketika diselidiki, masalah ini sudah ada sejak tahun 1990-an dan bahkan pihak pertanian disana tidak aware dengan masalah ini. Dari informasi yang kami dapat dari masyarakat ketika diskusi berlangsung, hal tersebut disebabkan karena masalah hama. Kami akan gali lebih dalam untuk masalah ini dan kami berkomitmen akan mengatasi dan coba meminimize sebanyak mungkin dampak yang muncul dari operasi kami ini.</p> <p><i>With the approval of the EIA, we certainly have a mechanism to deal with any impacts from this project. This is certainly SOL's concern, because we do not want to make local communities feel uncomfortable and unsafe.</i></p> <p><i>Issues related to impacts on plantation production that we've ever heard in one of our socialization meeting with local communities, is the impacts on "Pete" tree. As we understand during the discussion, this problem has been existed since 1990-s and the local agricultural Office even doesn't aware of this problem. One of the local</i></p>
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		<i>communities said that it's actually because of a disease (plant) caused by pests We will study this issue further and we are committed to handle and try to minimize any impacts from our project operation as much as possible.</i>
4. Ibu Imelda IESR	Berapa harga jual listrik ke PLN? <i>What is the tariff of electricity for this project?</i>	Tarif listrik Rp 6.79 sen / kwh, tariff untuk kontrak selama 30 tahun. <i>The tariff of electricity for this project is levelized Rp 6,79 cent / kwh, tariff for 30 years period of contract.</i>
	Bagaimana Sarulla memastikan bahwa masyarakat di lokasi proyek dan sekitarnya mendapatkan keuntungan dalam hal akses kepada listrik. Bagaimana SOL memastikan bahwa masyarakat yang ada di lokasi proyek ini memiliki akses untuk listrik? <i>How SOL can guarantee that this project will supply the electricity to the nearest/surrounding areas?</i>	Berdasarkan pengalaman kami, setiap kali pengembang di suatu lokasi, biasanya PLN langsung mengembangkan distribusinya ke daerah sekitar terlebih dahulu. Pengembang bertugas mengenerate power, membuat listrik untuk PLN, kemudian PLN yang menyalurkannya kepada masyarakat. Bagaimana menyalurkannya, itu merupakan strategi PLN sendiri. Bukan kapabilitas pengembang untuk memastikan. <i>Based on our experience, whenever the developer in a site, usually PLN directly develop their distribution to the surrounding areas first. SOL is responsible to generate power, provide electricity to PLN, then PLN distribute to the community. How and to whom PLN want to distribute the electricity is the strategy of PLN itself.</i>
	Berapa lama proses keluhan yang disampaikan masyarakat di proses oleh perusahaan	Tergantung kepada seberapa besar masalahnya. Sebagai contoh, jika masalah yang ditanyakan seputar masalah teknis seperti mengenai saluran air yang terganggu, tentunya kami membutuhkan waktu hingga sampai pada solusi masalah. Pada beberapa kasus, bahkan kami langsung memberikan respon on the spot. Pada salah satu acara sosialisasi yang kami

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		<p>laksanakan, kami pernah mendapatkan keluhan dari salah satu penduduk desa. Dan setelah sosialisasi selesai, kami melakukan pengecekan dengan teman-teman di lapangan masyarakat yang terganggu pada saat itu juga. Tapi untuk prosesnya tentunya membutuhkan waktu, tergantung kepada keluhan itu sendiri. Biasanya dalam waktu 1 minggu langsung kita proses.</p>
	<p><i>How long is the process since complaints received from the community?</i></p>	<p><i>Depends on how big the problem is. For example, if the complaints are related with technical issues such as the drainage nuisance, we will need time until we finally get the solutions. In some cases, we even provide responses directly on the spot. In one of our socialization meeting, we had a grievance from one of the villagers. And after socialization finished, our field team directly checked with the person that filed his grievance at that time. In general, grievance will take about one week to be processed.</i></p>
<p>5. Ibu Indra Sari (Ai)</p> <p>WWF</p>	<p>Berapa besar luasan WKP yg diberikan oleh pemerintah. Apakah jalur pipa, jalan, infrastruktur, dll sudah termasuk kedalam 130.000 ha?</p> <p><i>How large is the mining concession area given by the government. Is the pipelines, roads, infrastructure, etc. are included into the 130,000 ha?</i></p>	<p>Total 2 areal: 98000 ha (NIL, SIL, Donotasik, Sibualbuali)</p> <p><i>The total area is 98,000 ha (NIL, SIL, Donotasik, Sibualbuali)</i></p>
	<p>Apakah lokasi ini bersentuhan dengan kawasan konservasi, wilayah taman nasional, atau cagar alam?</p>	<p>Sebahagian lokasi, yaitu NIL, berada di kawasan hutan dengan status kawasan yang terdiri atas hutan produksi dan produksi produksi yang dapat dikonversi. Sekitar 25 ha masuk ke dalam hutan produksi. Dan tidak termasuk kedalam kawasan cagar alam yang dilindungi.</p>

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	<p><i>Is the project also located in the conservation area, national park areas, or nature reserves?</i></p>	<p><i>Some parts of project location are located in the forest (production forest and convertible production forest). About 25 ha is part of the production forest.</i></p> <p><i>No facilities located either in the protected forest or nature reserve.</i></p>
	<p>Berapa besar kemungkinan penurunan steam supply proyek ini?</p> <p><i>What is the depletion percentage/rate from steam supply of this geothermal project?</i></p>	<p>Steam itu sistemnya close tube, keluar dari tanah dalam 3 fase, gas, air dan steam yang kemudian dipisahkan untuk menjadi power, dari proses kondensasi tersebut diinject kembali ke dalam bumi. Seolah steamnya keluar, namun prosesnya tidak seperti itu. SOL akan compliance dengan standar environment yang ada.</p> <p><i>The stem system is closed tube, will be out from ground in three phases, gas, water and steam which is then separated and processed to become power, from the condensation process it will be injected back into the earth. The steam seems to come out, but the process is not like that. SOL will comply with the environment standards.</i></p>
	<p>Sehubungan dengan kebutuhan lahan tambahan, dalam beberapa kasus, jika dalam suatu periode sumur yang lama tidak dapat memenuhi 330 MW, apakah akan dibuka sumur baru?</p> <p><i>In connection with the requirement of additional land, in some cases, if within a period of time the well cannot meet the 330 MW, will SOL construct new wells?</i></p>	<p>Pada prinsipnya geothermal energy, tidak akan ada habisnya, selama ada gerakan magma dibawah dan kita menjaga rain forest yang ada disekitar kita, ada injeksi kembali kedalam bumi pada titik-titik tertentu, seharusnya bisa menjaga kesinambungan dari sumur reservoir itu sendiri. Selain 30 tahun, aka nada tambahan 19 sumur yang akan dibor dari tapak sumur yang sama (make-up wells).</p> <p><i>In principle, geothermal are renewable energy, as long as there is magma movement under the ground and we maintain the rain forest surround us, the brine is re-injected into the earth at certain points, we could keep the continuity of the well reservoir itself. In addition to 30 years old, there will be</i></p>

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		<i>additional 19 wells to be drilled from the same well site. (Make-up wells).</i>
	<p>Masukan: Banyak LSM yang tidak hadir, ada berita yg diinformasikan kepada LSM ini, sehingga mereka bisa memberikan beberapa masukan ataupun komen tertulis dari masing-masing institusi.</p> <p><i>Input: Since there are many NGO's that are not present, and SOL should inform to the NGO, so that they can give some inputs or comments in writing from each institution.</i></p>	<p>SOL siap menerima segala bentuk masukan, untuk keterbukaan informasi.</p> <p><i>SOL is ready to accept any kind of inputs for the information transparency.</i></p>

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LAMPIRAN

1. Dokumentasi



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