

**KA EKSEKUTIP SAMERI
LANE
KA JINGPYNLYNGKOT IA KA RUKOM TREIKAM
(KHASI)**

NAKA BYNTA

KA JYNGTYRWA BAN TIH MAW

HA

**SHNONG UMBUDA, RAID MARWET,
RI BHOI DISTRICT, MEGHALAYA**

AREA: 2.61 Ha, JINGMIH (Maw): 2,80,260 MTPA (Ba Bun eh)

NONGTYRWA IA KA PROJEK

**Smt. Falguni Warisa
M/s Falguni Warisa Boulder Stone Mine
34, Lachumiere Hills
Shillong, East Khasi Hills District,
Meghalaya**

LA PYNKHREH DA

ENVIRO INFRA SOLUTIONS PVT. LTD.

(Accredited by NABET (Quality Council of India)

For EIA studies as 'A' Category Consultant

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Naitung 2020

KA JINGPYNLYNGKOT IA KA RUKOM TREIKAM

KA LAMPHANG

KA JINGTHMU JONG KA REPORT

Ka jingtyrwa ia kane ka projek ka dei ban tih/khlong maw haka jaka kaba 2.61 Hectare haka shnong Umbuda, Raid Marwet, Ri Bhoi District, Meghalaya. İaka jingshim wai la thmu ban ai sha ka Falguni Warisa Boulder Stone Mine jong I kong Falguni Warisa lyngba ka Letter of Intent (LoI) no. KH/8/ML/stone/69/5091 dated 13/09/2019. Kane ka dei ka opencast mining projek ha kaba baroh ki rukom treikam ki dei da ki kor (machine). İaka jingtyrwa naka bynta ka TOR la apply ha u Kyllalyngkot ,2020 bad namarba kane ka projek ka hap hapoh kaka cluster ba don iaka ML area palat 5 ha, ka EIA report la pynkhreh katsum ka TOR bala pynmih lyngba ka shithi nombor ML/SEIAA/MIN/Ri Bhoi/P-4/2020/1188 dated 23 June ,2020 da ka SEIAA ,Meghalaya . İaka draft Environmental Impact Assessment report la pynkhreh katsum ka Terms of Reference (ToR) ba la pynmih da ka SEIAA ,Meghalaya, hapoh ka EIA katsum ka jingpynbna jong ka MoEF&CC haka 14 tarik Nailur, 2006 bad ka jingpynkylla haka ban pan iaka environmental clearance na ka bynta ban tih maw (Boulder Stone)ha ka jaka ba lah shim wai.

KA JINGPYNSHISHA IA KA PROJEK & NONG TYRWA IA KA

Ka Jingpynshisha ia ka Projek

Ka **Falguni Warisa Boulder Stone Mine** kan treikam ha ka jaka kaba iar kumba 2.61 Hectare ha ka shnong Umbuda, Raid Marwet, Ri Bhoi District, Meghalaya. Ka jingpynmih bun tam ia u maw kan long 2,80,260 TPA.

Nong tyrwa ia ka Projek

Ka M/s **Falguni Warisa Boulder Stone Mine** ka dei ka kompani shimet. Ka jaka ban tih ka heh kumba 2.61 Hectare.

Jaka sah jong nong apply

Trai: Smt. Falguni Warisa, M/s Falguni Warisa Boulder Stone Mine, ha Umduba, Ri Bhoi.

R/o- 34- Lachumiere Hills, Shillong, Meghalaya

KA JINGBATAI LYNGKOT IA PROJEK

Ka jinglong jingman jong ka Projek

Ka jingtih ne khlong ia u mar poh khyndew kan long da ka rukom 'Opencast mining' ha kaba yn pyndonkam da ki kor tih maw. Ka jingtih kan long haka jaka ba la wai bad ba don 2.61ha, naka bynta ban pynmih ia u maw kumba 2,80,260 TPA. Katsum ka jingpynbna jong ka EIA haka 15 tarik Kyllalyngkot, 2016 bad 1 tarik Naitung, 2016, kane ka projek ka hap hapoh ka "B1" Category namarba kane ka jaka ka kythup haka cluster ba la palat iaka 5 hectare.

Ka Jingheh jong ka Projek

Ka jingthmu jong kane ka projek ka dei ban tih/khlong maw haka jaka kaba 2.61 hectare bad ka jingthmu ban pynmih bun eh ia u maw kan long kumba 2,80,260 Ton shisnem. Ka jinglah ban tih ia baroh u maw ha kane ka jaka ka long 1655400 ton bad katsum ka por ba la buh haka mining plan kan long kumba 1272900 ton ha ki 5 snem. Kaba sah kan long 1655400-1272900 =

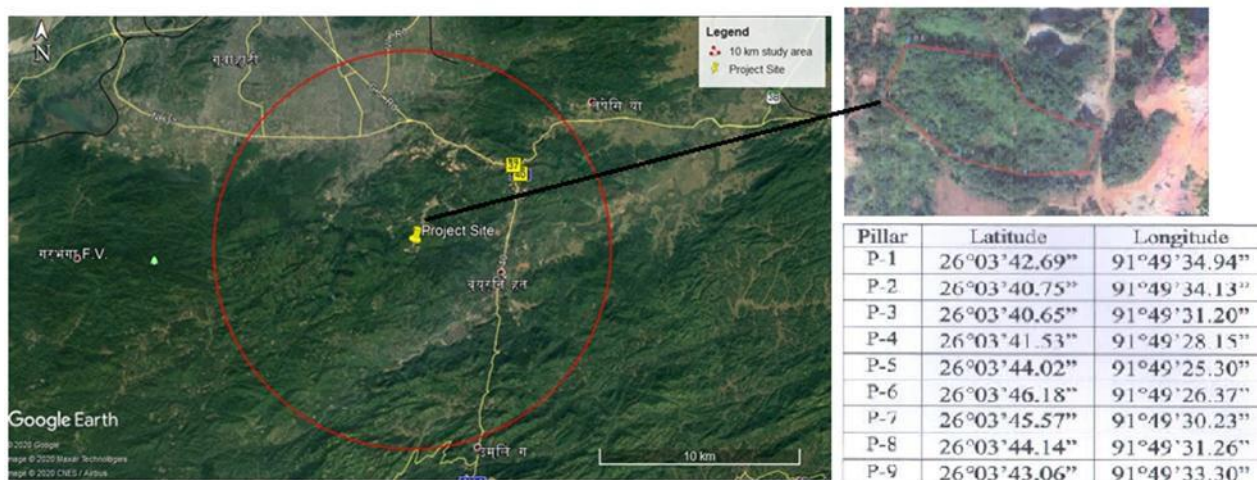
382500 ton bad ka jingthmu ban pynmih bun eh kan long 280260 ton shisnem. Kaba sah ban dang lah ban tih ka long $382500/280260 = 1.36$ snem lane 1snem 4 bnai (tam ne duna).

Ka Jingkhmih lynti jong ka jingneh bad Jinglut Jingsep jong ka Projek

Ka jingkhmih lynti jong ka jingneh kane ka Projek kan long 6.36 snem lane 6 snem 4 bnai (tam ne duna). Ka jinglut jingsep ka kot sha ka 24.5 lak tyngka.

Ka Jingpyni-Jaka ia ka Projek

Ka jaka ba la thmu ban tih ia u maw ka hap hapoh ka shnong Umbuda, Raid Marwet, Ri Bhoi District. Ka jingbatai bniah iaka ML area la kdew harum.



KA JINGBATAI HALOR KA PROJEK

Ka Jinglong jong ka Jaka Tih Maw

iaka jinglong jong ka jaka tih maw la pyni ha ka **Table 1** harum:

Table 1: Jinglong jong ka Jaka Tih Maw

Sr. No.	Ki Kyndon	Jingbatai
1	Kyrteng jong ka parmaw	Proposed Boulder Stone Mining Projek ha shnong Umbuda, Raid Marwet, Ri Bhoi District
2	Ka jinglah ban pynmih ia u maw	2,80,260 (Peak) Ton shisnem
3	Longitude Latitude	26°03'40.65" N haduh 26°03'46.18"N bad 90°49'25.30"E haduh 90°49'34.94"E
4	Ka rukom tih ia u maw	Opencast ha kaba pyndonkam da ki kor tih maw
5	Total ML area	2.61 Hectare
6	Ka jingdonkam ia ki kor tih maw	Kane ka parmaw ka dei kaba pyndonkam da ki kor tih maw, yn thep bad pynpra ia ki maw da ki kor hydraulic. Ka jingpynbthei yn leh ha ki ar rukom da ka jingbit jong ka DGMS. Ka kor sam maw ruh yn sa pyndonkam.

Falguni Warisa Boulder Stone Mine: Ka Jingtih ia u Maw na ka Jaka baheh (2.61 Ha.) ha ka shnong Umbuda, Raid Marwet, Ri Bhoi, District, Meghalaya	Ka Ekselutip Sameri
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7	Ka jingjriong bad jingiar jong kawei ka Ben opencast	6m
8	Ka jingsharing jong kawei ka Ben	85°
9	Ka rah ka rong ia u mar	la u mar yn sa rah sha ki nongthied da ki trok
10	Ka Jingdonkam Briew	54 ngut
11	Ka Jingdonkam um	5 Kilo Liter shi sngi
12	Ka Tlong um	Ka pukri um/wah/wahduid
13	Greenbelt development / Plantation (Haba kut jong ki 5 snem)	0.10 ha
14.	Ka jingtyrwa ban thung dieng ha ki 5 snem	100 tylli

Ka Jingsan bad ka Jingmih jong ka Parmaw

Ka rukom tih maw lyngba ka Opencast ha kaba pyndonkam da ki kor tih maw ka dei ban tih/khlong ia u maw bad ki ñiut ki ñier bad kiwei-kiwei de ki kam ha kaba iadei ban tih ia u maw. Ka jingjriong bad jingiar jong kawei pa kawei ka ben jong ka par opencast kan dei 6 meter haba shim da ka jingpyndonkam da ki kor. ĩa ki lynti iaid shaduh ki ben jong ka par opencast yn sa ĩai shna naka por sha ka por. Ka jingpynbthei yn leh ha ki ar rukom ('liew jriong ne 'liew lyngkot) da ka jingbit jong ka DGMS. Ki kor sam maw bad ki kor pynpait maw yn sa pyndonkam ban tih ia u maw. Yn sa shna ruh ia ka jingker ban iada na ka jingrung pathar ki briew bad ki mrad. Ka khyndew kaba lah ban mih ha ka por tih maw yn sa weng bad pynlang la ka jong ban pyndonkam haba thung dieng por lyiur man la u snem.

Ka jingmih jong u maw kaba man la u snem la ai haka **Table 2** harum.

Table 2: Ka jingmih jong u maw kaba man la u snem

Snem	U Maw ba lah ban die (Metric Tonne)
1	211200
2	232320
3	274560
4	274560
5	280260
Total	1272900

Ka Rukom Ban Tih Maw

Ka rukom tih maw lyngba ka Opencast ha kaba pyndonkam da ki kor tih maw ka dei ban tih/khlong ia u maw bad ki ñiut ki ñier bad kiwei-kiwei de ki kam ha kaba iadei ban tih ia u maw. Ka jingjriong bad jingiar jong kawei pa kawei ka ben jong ka par opencast kan dei 6 meter haba shim da ka jingpyndonkam da ki kor. ĩa ki lynti iaid shaduh ki ben yn sa ĩai shna naka por sha ka por. Ka jingpynbthei yn leh ha ki ar rukom ('liew jriong ne 'liew lyngkot) da ka jingbit jong ka DGMS. Ki kor sam maw bad ki kor pynpait maw yn sa pyndonkam ban tih ia u maw. Yn sa shna ruh ia ka jingker ban iada na ka jingrung pathar ki briew bad ki mrad.

Ka Jingktah ia ka jinglong ka jaka, Ka Jingpywandur biang ia ki jaka ba lah dep tih bad Ka jingthung dieng.

Ka Jingktah ia ka jinglong ka jaka, Ka Jingpywandur biang ia ki jaka ba lah dep tih

Ka jingtih ia ka par ka mut ka jingtih ia ki mar poh khyndew. Ka jingtih ia kine ki mar-poh khyndew ka ktah jur eh ia ka mei mariang. Khamtam eh kane ka jingtih da ka rukom opencast ne da ka rukom ha kaba tih da ki kor tih maw kan sa pynjulor ne pynjot khamtam ia ka mei mariang. Ka jingthung dieng yn sa thung lyngba ka jingiamir jingmut lang bad ka bor pyniaid District lane ka Durbar Shnong.

Kane ka jaka ka dei bym don dieng. Ka jing shah ktah ia ka rukom long jong ka jaka kan dei ha ki bynta ba long lum bad kan don ka jingkylla ba ryngkhat namar ka rukom tih opencast. Ha ki san (5) snem ban wan yn sa tih/khlong ia ka jaka kaba 2.04 hectare naka daw jong ka jingtihmaw bad kiwei kiwei ki kam kiba iadei bad ka jingtihmaw.

Ka jingtyrwa ban pywandur biang ia ki jaka ba lah dep tih

Ka rukom tih yn sa sdang shwa na ki bynta kiba ba shalor bad yn sa iaid ter ter sha ki bynta ba shapoh.

Yn sa thung ia ki dieng ha baroh shi lynter u pud u sam jong ka parmaw da ki dieng kiba ju mih ha kine ki thaiñ. Kumjuh ruh yn thung dieng ha ki bynta ba la pyndap khyndew bad ki ba la dep tih, sawdong ki jaka ba don um lane rud wah bad rud surok ter-ter lyngba ka jingiamir jingmut bad U DFO/ Ka Agriculture Department. 100 tylli ki dieng yn sa thung ha ka jaka kaba 0.10 hectare bad ia ka jingthung dieng yn long ha ki sawdong sawkud jong ka jaka ba la dep pyndap/pywandur biang hadien ba lah tih bad ruh ha jaka shnong.

Ka Rukom Long Jong Ka Jaka

İa ka mynta (shwa ban tih) kane ka jaka ba la wai ban tih maw ka dei ka bym don dieng.

KA NONGRIM BAN KHMIIH IA KA JINGLONG KA MARIANG

Ka Jinglong Ka Khyndew

La lum haduh san jait ki khyndew na ki jaka ba don hapoh bad marjan ka parmaw khnang ban dup tipthuh ia ka jinglong ka khyndew ha katei ka jaka. Ka pH jong ka khyndew ka dei kaba donkam ha ka jingdon ia ki jingbam. Ki khniang kiba pynsboh ia ka khyndew bad ka jing um jong ki phngit maw/nar ka shong ha ka pH jong ka khyndew. Ha kane ka jaka, la shem ka jingiapher ha ka pH jong ka khyndew bad ba ka long acidic malu mala (5.67 haduh 6.51). Ka Electrical Conductivity (EC) ka dei ba thew ia ka jingum jong ka mluh bad ki phngit maw/nar kiba don hapoh ka khyndew. Ha kine ki khyndew ba la lum ka conductivity ka dei naduh 319.3 - 386.2 $\mu\text{mhos/cm}$.

Ka Jinglong ka Suiñ Bneng

Ka jingtip halor ka jinglong ka suiñ bneng ha kane ka jaka la khmih bniah naduh 1 tarik Nohprah 2019 haduh 29 tarik Rymphang 2020 kaba kdew ba dei ka aiom tlang.

Ka Jinglong ka Lyer

İa ka Ambient Air Quality Monitoring (AAQM) lane ka jingkhmih iaka jinglong ka lyer la pyntreikam ha ki san tylli ki jaka ha ka por tlang naduh u Nohprah 2019 haduh u Rymphang 2020. Ka jingduna bad ka jingbun jong PM₁₀ hapoh kane ka jaka ka long 44.9 µg/m³ haduh 85.6 µg/m³ bad ka percentile ba 98 ka long hapdeng 62.8 µg/m³ haduh 83.2 µg/m³. Ka jingduna bad ka jingbun jong PM_{2.5} ba la ioh jingkheĩ hapoh kane ka jaka ka long 17.5 µg/m³ to 37.8 µg/m³ bad ka percentile ba 98 ka long hapdeng 22.3 µg/m³ to 35.9 µg/m³. Ka jingduna bad jingbun jong ka jingdon ka SO₂ ba la ioh jingkheĩ ha kane ka jaka ka la long 6.1 haduh 13.2 µg/m³ bad ka percentile ba 98 ka long hapdeng 5.9 µg/m³ haduh 12.5 µg/m³.

Ka jingduna bad ka jingbun jong ka NO₂ ba la ioh jingkheĩ hapoh kane ka jaka ka long 12.3 µg/m³ haduh 23.4 µg/m³ bad ka percentile ba 98 ka long naduh 14.3 µg/m³ haduh 22.1 µg/m³. Ka jingduna bad ka jingbun jong ka CO ba la ioh jingkheĩ hapoh kane ka jaka ka long 0.320 mg/m³ haduh 0.950 mg/m³ bad ka percentile ba 98 ka long naduh 0.380 µg/m³ haduh 0.870 µg/m³.

Te kumta, kaei kaba mih ka pyni ba ka jingdon jong ki PM₁₀, PM_{2.5}, SO₂ bad NO₂ ha ka lyer ki long hapoh ka National Ambient Air Quality (NAAQ) naka bynta ki karkhana, ki jaka sah brierw, ki jaka 'nongkyndong bad kiwei-kiwei ki jaka.

Ka Jinglong jong ka Um

Ban sngewthuh bha ia ka jinglong ka um ha kane ka thaiñ, la tong ia ka um na san jaka ba mih um ha baroh sawdong ka parmaw. Haba wad bniah, la shem ba ka pH jong ka um kaba shapoh khyndew ka iapher naduh 7.68 haduh 8.10, ka jingiapher jong ki kynja ba lah ban um lut baroh ka long naduh 245.35 mg/l haduh 255.26 mg/l, ka chloride level ka long naduh 40.5 mg/l haduh 49.8 mg/l ba bun eh bad ka jingeh ka um ka long naduh 149.55 mg/l haduh 157.94 mg/l.

Ka jingmih na kane ka pyni ba ka um na shapoh khyndew ka iahap bad ki kyndon naka bynta ka um-dih (IS: 10500) bad ka um shalor khyndew ka iahap bad ki kyndon katkum ka IS-2296.

Ka Jingsawa ne Jingsati

İa ka jingsaw ne jingsati la shim jingthew ha ki san bynta jong ka parmaw. Haba thew haka por mynsngi ka don hapdeng 49.2 dB(A) haduh 59.6 dB(A) bad haka por mynmiet ka long naduh 37.2 dB(A) haduh 41.8 dB(A). Ka jinglong jong ka jingsawa hapoh ka 10 km naka jaka ba mut ban tihmaw ka long hapoh ki kyndon ba la buh da ka MoEF&CC.

Ecological Environment

Lyngba ka jingwad bniah bad da kaba pule ia ki jingthoh ba la pyllait paidbah, la tip ba kane ka parmaw ka don 5.5 Km na u pud u sam ka Eco Sensitive Zone (ESZ) jong ka Amchang Wildlife Sanctuary.

Jinglong jingman Ka Imlang-sahlang

Katkum ka Khana Samari ka Ri India 2011, ka Ri Bhoi District ka don ia u paid haduh 2,58,840 ngut. Ki SC ki don 590 ngut kaba mut 0.23% na u paid ka district baroh kawei, katba ki ST ki don haduh 2,30,081 ngut kaba mut 88.89% na u paid ka district baroh kawei. Ha Ri Bhoi District ki ba lah nang lah stad ki don haduh 1,55,859 ngut bad na kine 80,977 ngut dei ki shynrang bad 74,882 ngut ki kynthei. Kane ka pynpaw ba na baroh u paid ka Ri Bhoi District, ka jingnang jingstad jong ki shynrang ka kot sha ka 76.79% bad ki kynthei ka kot sha ka 74.49%.

KA JINGKHHMIH-LYNTI IA KA JINGSHAHKTAH KA MARIANG

Ka Jingktah ha jinglong ka lyer

Ka PM₁₀ bad ka PM_{2.5} kin dei ki jingjakhlia ka ban mih bun eh haba tih maw. Ka jingmih jong ka Sulphur Dioxide (SO₂), Nitrogen Oxide (NO₂) kaba mih na ki kor tih maw bad ki kali ba la pyniaid da ka diesel la shim ba ki long malu mala naba yn pyndonkam tang da ki kor bad ki kali ba la ioh ia ka PUC certificate. Ha ka jingtih ia u maw, u pum-pum bad u phngit ki dei kiba pynmih bun eh ki jingjaboh. Ka jingmih jong kine ki jaboh lah ban pynduna haduh 70-80% da kaba synreit um. Ka jingantad lypa ia ka jingshahktah iaka mariang yn lah ban leh da ka jingmih ba la dep thoh lypa bad baroh ka jingmih jong u PM₁₀ and PM_{2.5} ha kane ka jaka bad ha ka 10km radius jong ka kane ka jaka namar ka jingtih. Prediction of impacts on air environment will be made with proposed production and net increase in PM₁₀ and PM_{2.5} emissions at the proposed site and at the 10 km radius of study area due to mining activities.

Ki tyllong jong ka jingjaboh jong ka lyer ha kane ka jaka tih maw lah ban phiah ha ki ar bynta:

- i. Ka jingkit bad ka jingpynhap ia u maw bad OB
- ii. Ka jingring ia u maw na kawei ka jaka sha kawei pat

Ka Jingktah ia ki Tlong Um

Ki Um kiba don halor ka khyndew

Ka jingwandur jong kane ka jaka kan ym kylla than ha kaba iadei bad ka pynwandur biang ia ka jaka ba la don lypa. Ha ka por ba tih maw ka lah ban don ka jingiakhlehang jong u maw/khyndew ba dang shu tih bad ka umslap. Te, ban tehlakam ia kane la shna da ki kynroh hajan ki thliew ba la dep pyndap khyndew bad ha ki jaka pynlang khyndew.

Ki Um Shapoh Khyndew

Ki kyndon um ha ki jaka lum ki dei kiba jylliew bha bad kim don kano-kano ka jingktah ha kaba iadei bad ka jingtih maw. Hynrei ka jingpynkylla biang ia kane ka jaka kumjuh kumba ka long mynshwa, kan nym wanrah kano-kano ka jingthut ha ka jingngam ka um shapoh khyndew.

Ka Jingktah ha ka jinglong ka um

Ka jingktah ia ka jinglong ka um kan dei ha ka jingbun jaboh ba lang ha ka por slap. ia ka jaka bret khyndew yn sa ker bha da ki kynroh khnang ba ka um slap ka nym rah than ia u khyndew.

Ka Jingktah ia ka Jingsawa bad Ka Jingkhynñiuh ka Khyndew

Ka rukom pyntreikam ha ka ba tih maw da pyndonkam da ki kor tih maw, ka jing trei ban pyniar ia ka par tih maw, ka jing khlong bad ka rah ka rong ia ki maw. Kine baroh wanrah ia ka jingsawa, kaba mih mynsngi ka don hapdeng 49.2 dB(A) haduh 59.6 dB(A) bad ha ka por mynmiet ka kadei hapdeng 37.2 dB(A) to 41.8 dB(A). Kane ka jingkieu jong ka jingsawa kan ym ktah than ia ka jingsawa kiba lah don lypa.

Ka Jingktah ia ka khyndew.

Ka Jingktah jong ka jingtih ia ka khyndew sboh kaba hajrong duh ka shong ha ka jingbun jong ka jingwengnoh ia ka khyndew kaba hajrong bad ka jing pynlang ia ka. Kane ka project kumba la ong ba kane khyndew ba la tih yn sa pyndonkam haka ba thung dieng,

Ka jingtwa ka khyndew na ka jingkhia bad ka jing pynlang jong ka khyndew kam lah ban don ka jing ia tyngkhuh bad kane ka project, namar ki lad ki ba kham bniah yn sa ai da ka jingpeit jong ka EMP.

Ka Jingktah ia ki Jingthung bad ki Mrad

Kane ka jaka kam dei kaba long khlaw. Naba ki jing treikam kin long thik tang hapoh jong ka parmaw, la khmih lynti ba yn ym don kano-kano ka jing ktah ia ki jingthung jingtep ki ba don ha sawdong kane jaka.

Ki pum-pum ba mih na kane ka jaka tih la khmih lynti ban pyndonkam da ki lad pyn duna katkum ba la ai ka EMP bad ruh ka jingktah na ka daw ka jingtih yn sa pynduna ha ki jaka ba don ki jingthaw ba im bad jaka khlaw ba marjan.

Ka jing shah ktah jong ki mrad ha ki jaka ba la buh ban pyn neh ia ki na ka daw jong ka jingtih yn sa ker. Ka jingthung ia ki dieng na ka por sha ka por kan pynduna ia ka jing shah ktah ia ki mrad bad ia ki jingthung jingtep.

Ka Jingktah Halor Ka Rukom Long Ka Jaka

Kane ka jaka kan sa shah ktah bha na ka daw jong ka jingkhlong ia u maw bad ia ka jing bret ia u khyndew bad kiwei-kiwei. La ai jingmut ban don da ka Plan ban pyndonkam ia kane ka jaka khnang ban pynduna na ka jingshahktah palat na ka jingtih maw bad ruh ban kyntiew iaka ioh ka kot jong kane ka projek, kumjuh ruh kumno ban pyn neh bad ban pynwandur ne pynbha ia ka jaka da ka ba thung ia ki dieng ha ka rukom kaba biang bad ka Green Belt Development kaba lah da plan bha ha baroh sawdong ka jaka bad ruh ha ki bynta ba lah dep tih lane ki bench.

Ka Jingktah İa Ka Imlang-Sahlang Bad İa Ka İoh Ka Kot

Kane ka jaka tih kam kynthup ia ka jaka shong jaka sah ki briew. Namarkata, ka jingtih maw kam donkam ia ka jingkyndeah iing ki briew. Yn ym don ki jingtei iing ne ki mot sah kynmaw bad kiwei-kiwei ha kane ka jaka trei ne ki jaka ba marjan. Da kane ka rukom kan nym don ka jingpynthud/ ka jingpyndeah shnong ne jaka sah. Te kumta la jingkhmih lynti ba kan nym don kano-kano jing shah ktah.

Da jingtih maw ka don jingbha ha ka ioh ka kot jong ki briew ha kane ka thair. Ka jingdon jong kane ka par maw kan ai kam ai jam ia ki nongshong shnong ha kane ka jaka.

5.0 KA RUKOM PYNTREIKAM KABAN IADA IA KA MEI-MARIANG

Ka jingbatai lyngkot halor kumno ban pynduna ia ka jing julor ka mariang la pyni ha ka **Table 5**.

Table 5: Ban pynduna ia ka jingjulor ka mariang

Ka Jingktah kaba lah ban iohi	Ki lad ai jingiarap
Ka jingthud ha ka lynti iaid ki mrad khlaw	• Ia ka awareness camp yn sa pyniaid na ka bynta ki nongbylla khnang ba kin dup tip ia ka jingdonkam jong ki mrad khlaw. • Yn ym don ki lynti iaid briew ne kali ha ka Reserve Forest, kane kan iada na ka jingshahphiah ka khlaw, tampud bad ka jingiatyngkhuh briew bad ki mrad. • Yn sa shim khiah ban pynduna ia ka jingsawa kaba mih na ki kali kit maw. Ka jingsawa palat kan punthud ia ki mrad khlaw. • Yn sa shim khiah ba yn ym don ka jingsiat mrad da ki nongbylla. • Yn ym don kano-kano ka jingpynthud lada iohi ba iaid ki mrad na kane ka jaka. • Yn ym shah ia ki nongbylla ban bret pathar ia ki jingbam, ki plastic bad kiwei-kiwei kiba lah ban khiring ia ki mrad sha ka parmaw. • Baroh ki kali kiba kit ia u maw kidei ban long kiba pynmih duna ia ka tдем bad kidei ban don ia ka certificate jong ka pollution haba kut jong ka lai bnai. • Yn ym shah ban pynpah hon kali ha ki jaka khlaw, ka jingsawa kadei ban long hapoh ka jingai jingbit (silent zone-50dB mynsngi) Katkum ki ain jong ka pollution haba iadei bad ka jingsawa 2000, CPCB.
Ka jingkheit ia ki jingthung na khlaw	• Yn ym shah ban pom dieng, ban phut ia ki kynbat bad kino-kino ki jingthung kiba don ha khlaw. • Yn ym shah ban pynlang ia u maw ha ka jaka jong ka Reserve Forest. • Yn sa pyrkhing bha ban kheit ia ki jingthung kiba shongdor ha kaban shalan ia ki.

6.0 Ka Jingkhmih Bniah ĩa Ki Lad Ki Lynti Da Kumwei

Ka jingshem ia ka jingdon jong une u maw lah ioh jingtip na ka jingwadbniha lyngba ka geological survey kaba lah leh da ka rukom projektip mining. Kane ka projek kadei ba la mang thik na ka bynta kane ka jaka, namarkata ia kiwei-kiwei ki jaka ym shim la khein shuh.

Kane ka par maw la pyndonkam da ka rukom tih opencast ha kaba la pyndonkam da ki kor tihmaw. Yn ym lah da kiwei-kiwei ki rukom namar ki maw ki long kiba eh. Kane ka rukom tih ka long kaba pynduna ia ka jingjulong ka mariang.

7.0 Ka jingkheih antad halor ka jinglut Jingsep

Ia kane ka jinglut Jingsep kaba man la u snem jong ki san snem la pyntreikam da ka EMP bad ka jinglut Jingsep na ka bynta ka Corporate Environmental Responsibility (CER) la ai ha ka Table 6 & Table 7

Table-10.6: Budget for Environmental Management Plan

Table-10.6: Ka jinglut Jingsep na ka pynta ka rukom pyntreikam ban iada ia ka mariang

S. No.	Ki mat	Jinglut(Rs.)
1.	Ka jingjaboh jong ka lyer(ki tiar synreit um ban pynduna pum-pum ha ka lynti iaid)	2.00
2.	Ka jingthung dieng bad rukom pyntreikam ia ka	0.16
3.	Ka jingpeit pyrman (lyer, um, jingsawa bad ka khyndew)	0.15
4.	Ka jingshna bad ka jingpyntreikam ban buh ia ki 'tangum, nala bad kiwei-kiwei.	0.50
5.	Ki tiar ban iada ialade lane ka PPE (helmet, juti, mask, jingsopshkor bad kiwei-kiwei.)	0.69
6.	Ka jingker sawdong ia ka parmaw.	0.10
7.	Ka CSR ha ki shnong ba marjan.	1.225
8.	Ka CER katkum ka jingbthah jong ka SEAC	0.49
	Total	5.315

Table 10.7:Ka jinglut Jingsep na ka bynta ka Corporate Environmental Responsibility (CER) shi snem

S. No.	Ki jingtreikam	Ka jingmang ia ka pisa(Rs.)
1	Health Camps	14,000
2	Jingpynbiang ia ka um bam um diha	10,000
3	Jingshna bad maramot ia ki lynti iaid kjat	15,000
4	Jingnoh synniang sha ki jaka mane blei	5,000
5	Jingnoh synniang sha ki kam kiba iadei bad ka kolshor ha ki shnong ba marjan	5,000
	Total	49,000

KIWEI-KIWEI KI BYNTA

Ka Risk Assessment bad ka Disaster Management Plan

Ia ka rukom tih maw baroh kawei yn sa pyniaid da u manager uba la ioh ia ka Mines Manager's Certificate of Competency. Nalor kata ia ki nongtrei yn sa phah na ka bynta ki refresher course na ka por sha ka por.

Ka Disaster Management Plan

Ka jingpynkhreh lypa ia kino-kino ki jing jia ka dei kaba donkam tam ha ka jingpynkhreh ia ka Disaster Management. Ia ki nongtrei yn sa ai training halor kumno ban pynkhreh lada kadon kano-kano ka jingjia katkum ki rukom ba la ioh jinghikai. Kumjuh ruh yn ai training ia ki katto katne ngut kiba la shah jied kyrpang na ka bynta kane ka kam.

KA JINGIAMIR JINGMUT BAD U PAIDBAH

Ka Jingpynbna Paidbah

Ryngkat ka jingiamynjur bad ka jingpynbna ka EIA ha ka 14 tarik u Nailar 2006, lyngba ka section 1 (a) Ka ba iadei bad ka jingpynbna paidbah, ka draft EIA/EMP report la hap ban ai sha ka Meghalaya State Pollution Control Board (MSPCB) na ka bynta ka jingpynbna paidbah.

KI JINGIOHNONG NA KA PROJEK

Hadien ka jingdon jong kane ka jingtreikam ha ka par maw kin don ki jingkylla ha ka shnong ka thaw. Ki lad ai jingiarap ba mar-mar haba iadei bad ki dawai dashin yn sa pynbiang ha ka jaka tih maw. Kum kine ki lad ai jingiarap yn sa ai ruh ia ki nongshong shnong ha ka por ba donkam.

- Ka jingmih ki kam ki jam bad ban kham pynbha ia ka rukom im.
- Ka jingkiew ha la jingiohnong ka sorkar jylla lyngba ka khajna kiba har rukom.
- Ki lad ai jingtip kiba kham bha bad ki kiwei-kiwei ki jingdonkam haba iadei bad ban shalan ia u mar.
Ka jingtreikam jong ki nongshong shnong ha ka primary and secondary sectors jong ka projek kan kyntiew ia ka ioh ka kot ha kane ka thaiñ.

KI JINGPYNKUT

- Ka jingtihmaw kan iahap bad ka jingkwah jong ka MoEF&CC/SEIAA Meghalaya;
- Kan don ka jingmyntoi ia ka imlang sahleng, namar kane ka projek ka wanrah ia ka jingiohnong ha ka liang ka ioh ka kot na ka bynta kane ka thaiñ;
- Ka jingshim bad pyndonkam ia ki teknologi ba bha tam ba lah ban ioh bad ka rukom pyntreikam kaba janai duh ban ym pynsniew lane pynjot ia ka mariang
- Lyngba ka jingpyntreikam bha ia ka Environment Management Plan (EMP) ha ba tih maw, kane ka projek kan iaaid shaphrang khlem da don kano-kano kaba sniew ka ban ktah ia ka mei-mariang.