KA DRAFT KAIPHOD (REPORT) BISHAR BNIAH IA KI JINGKTAH HA KA MARIANG NA KA BYNTA KA PROJEK LYNTI DKHAR LIMESTONE MINE, KABA LA BUH IA KA JINPYNMIH (PEAK PRODUCTION CAPACITY) 50544 TPA HA RI-U-SYIAR, LYNTI DKHAR, SOHBAR SIRDASHIP, RU-ING BHOLAGANJ C&RD BLOCK, DISTRICT: EAST KHASI HILLS DISTRICT, MEGHALAYA

(EXECUTIVE SUMMARY)

U Nongpynïaid (Project Proponent): Smti Idalis Ryngnga

La pynkhreh da

Novomine India Private Limited

novomineinfo@gmail.com,www.novomineindia.com

NABET Category ‘A’ Certificate Organisation [Sector 1 (a) (i)]

Number ka Certificate: NABET/EIA/2326/IA 0124

Rymphang (February) 2025

1. KA JINGPYNSHAI (INTRODUCTION)

U Nongpan jingbit na ka bynta ka **Lynti Dkhar Limestone Mine**, I Kong Idalis Ryngnga, I la ïoh ïa ka jingmynjur (Letter of Intent) lyngba ka shithi **KH/8/ML/Limestone/68/6085** ba la ai ha ka **26/03/2024** na ka bynta ka jaka ka ba heh kumba 1.36 ha, **ha Ri-U-Siar, Lynti Dkhar Area, Sohbar Sirdarship, Ru-ing, East Khasi Hills, Meghalaya**.

U Divisional Forest Officer jong ka **East Khasi Hills bad Ri-Bhoi** (T) Division, Shillong, jong ka Sorkar Meghalaya, lyngba ka shithi **KH/8/NOC/Limestone/41/Pt.IV/2720**ba la ai ha ka **02/09/2022**, la pynshisha ba kane ka jaka ka dei ka jaka bym hap ha ka jaka Khlaw (non-forest land category).

Ka Mining Plan ryngkat bad ka Progressive Mine Closure Plan jong ka Lynti Dkhar Limestone Quarry ka la ïoh jingmynjur na u **Mining Engineer, Directorate of Mineral Resources, Shillong**, lyngba ka shithi **DMR/MM/199/2024/04** ba la ai ha ka **06/07/2024.**

Katkum ka syrnod cluster, ki projek bad ki par mawshun kiba don haduh 7 tylli bad ka jingheh ka long **3.64 ha**, ki don hapoh 500 m na ka jaka ba la buh ban pynïaid ïa kane ka par mawshun.

Ka State Environment Impact Assessment Authority (SEIAA) jong ka Meghalaya ka la ai jingmynjur ïa ki kyndon (ToR) na ka bynta ban shna ïa ka Environmental Impact Assessment (EIA) bad ka Environmental Management Plan (EMP) report(Kaiphod), bad la ai ïa ka shithi ToR kaba don ïa u nombar **ML/SEAC/SEIAA/PP/EKH/83/2024 ha ka 6 tarik Naiweing (December)** 2024 sha I **Kong Idalis Ryngnga.**

Ki jingïapher latitude jong ka jaka projek ki long **25°10’43.83”N** haduh **25°10’49.27”N** bad ki longitude ki long **91°44’29.03”E haduh 91°44’33.20”**E, bad ka jingheh kaba ha khlieh duh ka long **145 mRL**, katba ka jingheh kaba ha ka bynta kaba kham shathie ka long 133 mRL. Kane ka jaka ka hap hapoh ka Survey of India Toposheet No. 780/12 (Restricted).

Kat kum **jingkhein baroh (estimated total balance)** halor ka jingdon jong ka reserve mawshun kaba dang lah ban tih hapoh ka jaka ba la buh hapoh ka jingpynïaid (Leasehold) ka long kumba **505197 ton** tam ne duna . Ka jingmih kaba la buh kum ka thong ka long **50544 TPA**.

Ki katto katne ki jingshai badonkam halor ka Modified Mining Plan ryngkat bad ka Progressive Mine Closure Plan ki long kiba la batai ha ka **Table 11.1** ha shilynter kane ka report.

Table 1.1: Ki jingbatai lyngkot shaphang kane ka projek katkum ka Modified Mining Plan ba la pdiang ryngkat bad ka Progressive Mine Closure Plan jong ka Lynti Dkhar Limestone Quarry

Ki bynta (Aspect)	Ki Jingdon (Value)	Ki bynta(Aspect)	Ki Jingdon (Value)
Jaka bala ai ban tih Mawshun (Ha.)	1.36	Ka por Jingpyniaid (snem) (Plan Period (years))	5
Ka Jingdon jong ka reserve Mawshun(tonnes)	5,05,197	Ka Jingmih baroh (T) ha kane ka samoi	2,52,570
Ka Jingim ka par Mawshun(life of mines) (snem)	10	Ki sngi treikam baroh shi snem	300
Ki Nongtrei	31	Ka rukom tih Mawshun	Opencast, semi-Mechanized

1.1. Ka Rukom Tih Mawshun

- Ka rukom tih mawshun **Opencast semi-mechanized** yn pyndonkam ha kane ka jaka namar ka jingdon jong ka maw (deposit) ka long kaba khlaiñ bad kaba kham rben.

- Jack hammer drill Machine yn pyndonkam na ka bynta ban tih ïa ki bynta ba la buh Shot holes na 35 mm haduh 32 mm diameter. Ka jingpynphra/pynpait ïa ka mawshun ha ka jingheh kaba donkam yn leh da ka bor met (manually).

- Ka jingtih bad jing pynbthei ïa ki bynta jong ka mawshun bar ben yn leh da kaba pyndonkam da ka grid pattern kaba staggered, da kaba pynpaw 0.8 m x 1.0 m.

- Ka muffle blasting yn pyndonkam kum ka lad ban iada ïa ki mawsiang kiba her ba phriang. Ka jingtih khatam ka bynta ba rben jong ka khyndew yn leh da ki (excavator) machine lada donkam.

- Ka benching system 6m x 6m yn pyndonkam ha kane ka jaka khnang ban iaid katkum kyndon ka rukom treikam jong ka Metalliferous Mines Regulations, 1961. Ka jinglait jong ki bench slope na ka bynta ka jingkyrshan yn bat ha ka angle kaba long 45°.

Ki jingdonkam (Inputs)	Jingdonkam Kyllum (Approx quantity required (KLD))
Ka jingdonkam high speed jong ka Diesel bad ka um	
Diesel	~0.1
ka jing donkam ia ka um	
Ka Umbam umdih bad ka um pyndonkam	~1.25 Ka jing donkam ia ka um ban dih ban bam na ka bynta ki briew bad ban pyndonkam shimet ka long 50L/ man ka sngi. Kumta ka jingdonkam ka long 25x50=1250 L/shi shgi(~1.25 KLD))
Ka jingtem ia ki pumpum (Dust suppression)	2.0
Ka jingpynroi/pynkha ia ki jingthung jingtep bad ka ka jingthungdieng(Green belt Development/plantation)	2.0
Ban sait ia ki HEMMs bad kiwei ki tiar	2.0

jingtrei	
Kyllum(Total)	8.0

1.2 Ka jaka Jong ka Projek (Location of the Project)

Ka Lynti Dkhar Ka par Mawshun ka don ha **Ri-U-Siar, Lynti Dkhar, Sohbar Sirdarship, Ru-ing, East Khasi Hills District, Bholaganj C&RD Block, District Khasi Hills, State: Meghalaya.** Ka jingpynbeit jaka jong ka projek la ai ha Figure 1.1 ha ka bynta harum.

Map of India	State of Meghalaya, india
East Khasi hills district, Meghalaya	Project site

2. **KA JINGBATAI SHAPHANG KA MARIANG**

Ka jinglum jingtip la shim na kawwei ka aion bam don slap (summer season) naduh u bnai Lber (March) 2024 haduh u Jymmang (May) 2024 . ki jingtip ba bniah ki long kumne harum

2.1 Ki Micro -Meteorogical Parameters

• **Jingkhluit (Temperature):** Ka jingkhluit jong kane ka jaka ka la iai kylla na 13.6°C haduh 35.1°C.

• **Jinglong sngem (Relative Humidity):** Ka jingdon um ha lyer ka la kylla na 14.6% haduh 100%.

• **Jingstet ka lyer (Wind Speed):** Ka jingstet tam jong ka lyer ka long 10.8 m/s, katba ka jingstet ba kyllum ka long 1.92 m/s. Ka Lyer jaijai ka long 12.91%.

2**.2. Ka Jingbha jong ka lyer sawdong (Ambient Air Quality) (AAQ)Result**

Ki sample ki la lum na (5) san tylli ki jaka sampling ha ka por lum jingtip. Ki jingbishar ki long kumne:

Ki pum pum Tngit jaboh ha Lyer (Particulate Matter - PM_{10})

Ka jinglong jong ki PM_{10} ha baroh ki jaka ka long hapdeng 44.5 µg/m³ ha Ichamati Village haduh 56.0 µg/m³ ha jaka projek. Kumta kine ki dang hap katkum ka National Ambient Air Quality Standards (NAAQS).

Ki pum pum bad ki tngit jaboh ha Lyer (Particulate Matter - PM $_{2.5}$)

Ka jinglong jong ki $PM_{2.5}$ ha baroh ki jaka ka long hapdeng 20.9 µg/m³ ha Ichamati Village haduh 34.5 µg/m³ ha jaka projek. Kumta kine ki dang hap katkum ka NAAQS.

Ki Jakhlia ha Lyer (Gaseous Pollutants)

• Ka jinglong jong ka SO_2 ha baroh ki jaka ka long hapdeng 5.5 µg/m³ ha Ichamati Village haduh 6.9 µg/m³ ha jaka projek. Kumta kine ki dang hap kat kum ka NAAQS.

• Ka jinglong jong ka NO_2 ha baroh ki jaka ka long hapdeng 10.6 µg/m³ ha Ichamati Village haduh 10.0 µg/m³ ha jaka projek. Kumta kine ki dang hap kat kum ka NAAQS

Ka Jingreng/sawa jongka lyer ha ka Mariang (Ambient Noise Level - ANL)

Ki sample ki la lum na (5) san tylli ki jaka sampling ha ka por lum jingtip. Ki jingbishar ki long kumne:

• Ka jingkhie jingreng/sawa ka lyer ha ka por mynsngi ka la iai kylla na 46.3 dB(A) ha shnong Ichamati haduh 63.8 dB(A) haka jaka projek, kaba dang hap hapoh ki pud ba labuh jong ki jaka ba don Karkhana (Industrial area) kaba don 75 dB(A).

• Ka jingkhie jingreng ka lyer haka por miet ka la iai kylla na 39.7 dB(A) ha Shnong Ichamati haduh 52.9 dB(A) ha jaka projek, kaba dang hap hapoh ki pud bala buh jong ki jaka ba don Karkhana (Industrial area) kaba don 70 dB(A).

2.3. Ka Jingkhuid jong ka-um (Water Quality Results)

Ki sample ki la lum na (5) san tylli ki jaka um hapoh ka sla khyndew bad (3) lai tylli ki jaka um ba shabar. Ki jingbishar ki long kumne:

Um hapoh Khyndew (Groundwater Results)

Baroh ki jingbishar ki long kiba biang bad ki iahap bad ki kyndon IS: 10500:2012 jong ka India halor ka jingkhuid jong ka um dih.

Um ba Shabar (Surface Water Results)

Ka jingkhuid jong ka um ha ki jaka lum sample ha Wah Sohmyngkew (Wah Tharia) bad kawei ka jaka ha Ichamati (Wah Tyllap) ki long hapoh ki kyndon IS 2296:1992 bad CPCB Water Quality Criteria - Class B.

2.4. Ki Jinglong Jingkhuid/jingman ka Khyndew (Soil Quality Results)

Ki sample ki la lum na saw tylli ki jaka lum sample ha ka por lum jingtip. Ki jingbishar ki long kumne:

• pH ka la iai kylla hapdeng 6.5 haduh 7.2 ha kane ka jaka.

• Jingiap met/jingkhluit ka khyndew (Bulk Density) ka la iai kylla hapdeng 1.32 gm/cm³ na par Mawshun (project Site) (S1) haduh 1.49 gm/cm³ ha Sohbar (S4).

• Ka jingpynkit bor elektrik (Electrical Conductivity) ka la long kaba biang bad la lap ba ka dei hapdeng 362.5 µmhos/cm haduh 387.3 µmhos/cm.

• Ka jingdon jong u Carbon (Organic Carbon) ha ka khyndew ka la kylla hapdeng 1.35% ha S2 (Bholaganj) haduh 1.46% ha S1 (Jaka Projek).

• Ka jingdon Nitrogen ha khyndew ka la kylla hapdeng 246.5 Kg/ha ha S1 (Jaka Projek) haduh 286.1 Kg/ha ha S4 (Sohbar).

• Ka jingdon Phosphorus ha khyndew ka la kylla hapdeng 4.4 Kg/ha ha S2 (Bholaganj) haduh 5.7 Kg/ha ha S4 (Sohbar).

• Ka jingdon Potassium ha khyndew ka la kylla hapdeng 348.7 Kg/ha ha S1 (Jaka Projek) haduh 461.8 Kg/ha ha S2 (Bholaganj).

Katkum ki jingtip ba la ai, lah ban ong ba ka khyndew ha kane ka jaka ka dei ka ba sei soh bad ka ba bha, kaba lah ban pynmih bha ia ki jingthung namar ba ka don Nitrogen bad Organic Carbon kiba biang ban iarap ha ki jingthung jingtep bad jingroi ki sla jingthung.

2.5. Jingpule Shaphang Ka Mariang (Ecological Studies)

• **Ki Dieng Ki siej (Flora):** Ki dieng bad ki jingthung ba la shem ha kane ka jaka, ki long kiba pynpaw ia ki jingthung ba rit bad ki jingthung Deciduous/Semi-Deciduous(Ki dieng kiba shu prap sla), bad ki jingthung lyngkha. Ka jingdon baroh ki jingthung ha kane ka jaka la ai ha Lynnong kaba 3 (Chapter 3) jong ka kaiphod (report)

• **Ki Mrad ki sim (Fauna)**: Ka jingdon jong ki mrad bapher bapher ha kane ka jaka la ai ha Lynnong ba 3 (Chapter 3).

2.6. Ki Jingbatai Shaphang Ki Nongshong Shnong bad Ka Jinglong Jingman Jingim jongka imlang sahlang (Demography and Socio-Economic Study Results)

Ka jingpule ka kynthup 46 tylli ki shnong hapoh ka jaka iada (buffer zone). Kane ka jinglum jingtip ba la lum ka kynthup ia ka primary survey bad secondary data na ka Census of India 2011. Ki jingbatai lyngkot ki long kumne:

Ka Jingbun briew (Population)

Ka jingdon briew ha kane ka jaka ka long 16,323 ngut kiba shong basah ha 3,210 tylli ki longiing. Ka jingdon briew ha man ka longiing ka long 5.09 ngut. Ka jingdon shynrang bad kynthei (gender ratio) ka long 950 ha u snem 2011.

Ka Jinglong jingman ka imlang sahlang (Social Structure)

Kat kum ka jinglum jingtip, ki Scheduled Tribes (ST) ki long 70.43% na ka jingdon baroh ki briew, katba ki Scheduled Caste (SC) ki long 3.36%.

Ka Jingnang Jingstad (Literacy)

• kat kum ka jinglum jingtip, ka jingnang jingstad ba kynthup lang ka long 58.78% na ka jingdon briew baroh.

• Hapdeng ki briew kiba nang bastad, ki shynrang ki don kumba 52.46%, katba ki kynthei ki don kumba 47.54% katkum ka record ba la ioh.

Ka projek kan ai kam bad thung kam beit beit (direct employment) ia 25 ngut ki briew, da jingthmu ban ai jingmyntoi shwa ia ki nongshong shnong jong kane ka jaka , ha ryngkat ka pyndep ia ki kyndon ba donkam.

KA JINGMA KABA LAH BAN KTAH IAKA MARIANG BAD KI LAD IADA (anticipated environmental impact and mitigation measure)

Kane ka bynta ka pynshong Nongrim halor ka jing lah ban mih ka jing jakhlia na kane ka project, ki jing ktah kiba lah ban mih haka mariang haka por ba trei bad ki lad pyn iaid ban iada na ka jing jakhlia haka mariang.

3.1 KA JING KTAH NAKA JAKHLIA LYER BAD KI LAD IADA (Impact due to the air pollution and their mitigation measure)

Ki tdem jaboh bad kajingjakhlia jong ka lyer kiba mih lyngba ka mining (par mawshun) kadei na ka daw ba pyndonkam ban tih bad pynbthei iaki maw haka por tih mawshun. Ki jingmih jong ki jakhlia bapher bapher (emission sources) la ithuh bad la paw naka jingtrei mining, ban iada iakane la buh ban pyndonkam daka synreit um/ka jingthehum (water sprinkling) bad ka jingsynreit lyer (mist spraying) lyngba ki tiar Air Pollution Control Equipment(APCEs). Ki nongtrei kin sa ioh ki tiar iada (protective gears) kum ki Personal Dust Samplers, PPE ba pura, kum ki jingdeng khmat (goggles), ki mask ban iada naki pumpum , ki jingphong kti (gloves) ,ki tiar iada khlieh, (helmets),bad ki juti(safety shoes). Green belt kadon 7.5m ka jingjrong, kynthup ki jait jingthung tynrai, la tyrwa bad la buh ban pynroi ha baroh ki bynta jongka ML (mining land) shwa ba kin sdang pyntreikam ia ka jingtih Mawshun, kata ka long naduh u snem ba nyngkong(0^{th} year) kane kan iada katba lah ban punduna iaka jingmih tdem pumpum dewbilat sha ki jaka ba Marjan.

3.2 KA JING KTAH NAKA JINGSAWA BAD KI LAD IADA/PYNDUNA (Impact due to the noise polution and their mitigation measure)

Lyngba ka jing pyntreikam iaka mining (Tih par mawshun), ki jingpyndonkam ia ki machine kum ki tiar tih(drilling), bad tiar pynbthei(blasting) ban pynkhreh iaka jaka tih maw, ban pynkit ban thew iaki mawshun, ka lah ban wanrah iaka jingkiew jongka jingsawa (noise level). Ki lad iada ba labuh ki long ban pynbha bad khmieh bniah iaki blasting parameters kum ka burden, spacing, charge per delay sub-grade drilling, etc. pynduna iaki rukom pynbthei kum ki pre-split blast, pyndonkam iaka NONEL, bad kiwei kiwei ban pynduna iaka jingmih jongka jingsawa.

Ban pynbha bad sumar bha iaki engine jong ki HEMMs bad kiwei ki machinery bad ki kali kit ha ki jaka tih mawshun, ban pynduna iaki jingmih jingsawa, ki kyndon ban pynduh ia ka jingmih jong ka jingsawa (noise pollution) da kaba buh silencer ha ki dumper bad kiwei ki kali. Ka Acoustic Enclosure yn buh haki DG sets ban teh lakam iaki jingsawa. Baroh ki nongtrei kin ioh iaka PPE shimet kum ki jingiada shkor ban pynduna iaki jingsngew iaki jingsawa (noise attenuation).

Ka jing pynroi iaki jingthung khlaw(green belt development) hajan ka jaka jong ka ML kan sa long ka jingiada ban teh lakam iaka jingsaphriang jongka jingsawa.

3.3 KA JING KTAH NAKA JAKHLIA KA UM (WATER POLLUTION) BAD KI LAD IADA (impact due to water pollution and their mitigation measure)

Ki daw jong ka jingjakhlia ka um kadei namar ka um jakhlia ka ba mih na ka jingtih mawshun, ki jaboh bad kiwei pat, bad ka umjakhlia ka ba tuid na sla khyndew kaba lah ban rah ia ki khyndew jaboh bad ki jakhlia na ki jaka tih parmaw, kum ki pumpum ki jaboh kiba sahkut hapoh um. Ia ka umjakhlia yn pyniaid lyngba ki pung um ban weng noh ia ki jakhlia, jaboh byrngut.

Ka jingdonkam um kaba long kumba 7.5 KLD ka kynthup ia ka (Dust suspension) ka jingsah jong ki shun pumpum ha ka um (2.0 KLD), ka jingsait jong ki machine HEMM ha ki Jaka trei (workshop) (2.0 KLD), ka jingthung jingthung (2.0 KLD), bad ka um bam um dih ha iing (1.25 KLD).

Hadien ba la buh ia ka rukom treikam kaba khanglad ia ka um jakhlia, yn ym don lad shuh ban pynlait ia ka um jakhlia sha shabar jong ka ML. Namarkata, yn ym don ka jingpynlait um jakhlia shabar jong ka par mawshun, bad yn ym don ka jingpynjakhlia ia ki um slap ne ki um hapoh khyndew. Ban pynkhlain ne pynbun shuh shuh ia ka um ha khyndew. La bniah halor ka ka jinglum umslap (Rainwater Harvesting) bad ka jing jingpyndap um ha khyndew da ki lad ba shu thaw hi (Artificial Recharge groundwater) bad la kynthup lang ia kane ha kane ka kaiphod (report).

3.4. Ki Jingktah Na Ka Jingpynmih Jaboh Bad Ki Lad Ban Iada. (Impact due to waste Generations and Their Mitigations measures)

Ka jingmih jong ka mawshun (limestone) baroh kan sa long ka jingtih ban pyndonkam ha ki kam shna iing bad shna lynti(Construction activities). Ha ka

jingtreikam jong kane ka projek, la buh jingthmu ban weng haduh 4650 ton ka kynja jaboh khyndew, kaba yn buh ia ki ha ka jaka ba la shna kyrpang bad yn pyndonkam ia kine ban shna lynti ne ka thung jingthung. Shuh shuh, ban iada ia ka jingtwa jong ka khyndew ha ka por slap, por lyer, yn thung ia ki jait jingthung kiba rit kum ki phlang bad ki jingthung ban tehlakam ia ka jingtwa jong ka khyndew.

3.5. Ki Jingktah Ha Ka Khyndew Bad Ki Lad Ban iada/ tehlakam.(Impact on land and their mitigation measures)

Ka rukom pyndonkam ia ka khyndew hapoh kane ka jaka lease kan kylla katkum ki bynta bapher bapher jong ka jingtreikam tih par Mawshun. Ka jingpynphai biang ia ka khyndew ha ka rukom kaba seisoh kan long ka bynta jong ka jingtreikam tih par ban pynduna ia ki jingktah ba sniew/ ne ka jingjulor. Hadien bala kut kane ka jingtreikam tih par, ka jaka kaba long kumba 0.35 Ha ha ki jaka kiba la buh ha ka jingkhmih jong ka ML kin sa kylla long bad pynroi sha ki jaka kiba don jingthung kiba bun bad ba rben, katba ki jaka kiba sah(backfield area)kin sa pynim biang da kaba thung jingthung. Ki jaka tih par maw ki ba dang sah kin sa kylla long ki jaka um, kaba lah ban ai jingmyntoi ha ka jingshna tyllong um slap bad ka jing don um ha ka khyndew na ka bynta ki shnong ba don hajan.

3.6. Ki Jingktah Ha Ka Mariang Bad Ki jait Jingthaw ba im(Impacton Ecology and Biodiversity)

Namar ba ka jingtreikam tih par mawshun (mining) kan long tang ha ka jaka kaba la buh kyrpang (core zone)—kaba yn ym kynthup ia kino kino ki jaka khlaw bah—kan ym don jingktah kaba khraw ha ka mariang bad ka sawdong sawkun kaba Marjan bad ka ka jaka tih par mawshun. Da ka jingpynroi ia ka jingthung jingtep sawdong ka par mawshun, yn sa pynbha bad pynitynnad ia ka jaka.

3.7. Ki Jingktah Ha Ka Imlang Sahlang bad ka jingioh jingkot(Impact on the Socio-Economic Environment)

Kane ka projek kan kyntiew ia ka kamai ka jih, ka ioh kam ioh jam ia baroh ki nongshong shnong jong kane ka thain. Kumta, ka ioh ka kot ha ka thain ka lah ban kham bha hadien ba la sdang ia kane ka projek.

4. KA JINGPEIT BABNIAH BAN IADA IA KA MARIANG (Environmental Monitoring Programme)

Ka jingpeit bniah kaba shai ban iada ia ka mariang yn pyntreikam hapoh ka jaka tih par mawshun bad ha ka 10 km radius kaba marjan. La thaw ia ka network kaba biang, ban peit bniah ia ki tyllong ba pynjaboh mariang, ka jingiaid ka lyer, ka rukom iarap jong ka khyndew, ka dur jong ka jaka, bad ka jinglong jong ki jingthaw ba im.

La ithuh ia ki jaka ba la shim nuksa (sampling Locations),ban pynshisha bad pyntikna ban peit bniah ia ka jinglong jong ka mariang. Ka Environment Monitoring Cell (EMC) kan shim khia ban khmih bad pyniaid ia ka Jingpyntreikam jong kane ka prokram ban iada ia ka mariang.

5. KA JINGPULE BA KHAM BNIAH(Additional Studies)

Jingbishar Ia Ki Jingma Bad Ka Jingpynkhreh Ban Iada Na Ki Jingjia ba Sniew:

Ka jingtih par mawshun kan long da ka rukom semi-mechanized opencast mining, da kaba pyndonkam ia ki tiar tih kum ki Jack Hammer, Hydraulic Excavator, Air Compressor, Rock Breake tipper, bad kiwei kiwei, kaba kynthup iaka drilling bad blasting. Ka jing tih par kan long hapoh ka jingsynshar kaba janai, kumta ka jingma ha ka rukom trei kan long kaba duna.

Jingpynbiang Jaka Bad Ka Jingpynkynriah Nongshongshnong:

Ym don ki briew kiba sah hapoh kane ka jaka projek. Kumta, ka jingpynkynriah briew bad ka jingpynbiang jaka kam don jingeh satia.

6. KI JINGMYNTOI NA KANE KA PROJEK(Project Benefits)

Kane ka projek kan ai jingmyntoi kaba khraw ha ka ioh ka kot bad ka imlang sahlang ha katei ka jaka, ha kaba kan kyntiew ia ka jingroi ba janai jong ka thain. Kan ai jingkyrshan ruh ha ka ioh ka kot jong ka jylla lyngba ki khajna bad kiwei ki jingpynsiew sha ka sorkar jylla bad sha katei ka jaka, da kaba pynmih kam shuh shuh ia ki briew kumba 25 ngut bad kan thaw ia kiwei ki lad kamai jakpoh ia ki Nongshongshnong.

7. KA Lad (PLAN) BAN PYNIM BAD IADA IA KA MARIANG (Environment Management Plan)

Ka EMP (Environmental Management Plan) ka dei ka jingpynkhreh kaba kyrpang na ka bynta kane ka projek, ban pynlong ba ka jaka tih Par mawshun kan long kaba kham janai ha kaba iadei bad ka mariang. Ka EMP kaba bha ka dei ban pyndonkam ia ki rukom treikam kiba janai bad kiba lah ban iada ia ka mariang. Namarkata, ban pynlong ba ki lad iada ia ka mariang kin trei kam ha baroh ki bynta jong ka jingtreikam tih par, ka jingpynkhreh ia ka EMP ka long kaba donkam eh.

Ka EMP ka long kum ka rynsan kaba pynbeit ha kaba iadei bad ka jingpynkhreh, ka jingpyntreikam bad ka jingwad bniah ia ki lad ban iada ia ka mariang.

Ha kaba kut jong ka por tih par, yn pyndep ia ka Green Belt Development Programme ha ka jingheh kaba 0.35 Ha. Yn pyndonkam ruh ia ki jait jingthung kiba shong ha kane ka jaka na ka bynta ka jingpynim biang ne thung jingthung ha katei ka jaka.

Ki jingthmu ba la kynthup ha ka EMP ban pynduna ia ki jingktah ba sniew ia ka mariang na kane ka projek tih par mawshun:

• Ka jingpynim biang ia ki jaka ba la tih par mawshun bad kiwei pat ki bynta, ban pynim biang katba lah ia ka jaka tih parmawshun bad ki bynta ki ba dang trei ha ka jaka tih mawhun. Katkum ka jingiaid jong ka jingpyntrei mining, ka rukom iaid jong ka um bad ki jinglong jong ki jingthung bad kiei kiwei pat.

• ban pynduna iaka jing pynjot ia ka jaka bad ka um jong ka mariang, ban pynduna ia ka jing jaboh ka um jingjot ki khlaw, ban pynneh pynsah ia ka jinglong ka mariang ha katei ka jaka.

• Ka jingtrei shitom ban pynbha ia ka jinglong jong ka lyer, ka jinglong jong ka um bad ka khyndew ha ka por tih parmaw bad hadien ka jingkut jong ka jingtreikam tih par mawshun.

• Ka jingpynlong ia ka mariang kaba biang ban kyntiew ia ka ioh ka kot bad ka imlang sahlang ha katei ka jaka.

7.1. Ka budjet ba la khein la diah na kane ka project (ESTIMATED COST OF THE PROJECT)

Ka projek **Lynti Dkhar Par Mawshun** ha ka jaka ka ba heh 1.36 Ha, ka dei ka jaka nongaplai I **Kong Idalis Ryngnga**.

Ka jinglut jingsep kaba la buh jingkhein ia kane ka projek ka long kumba ₹23 Lakhs (khlem kynthup ia ka jinglut ban pyntreikam ia ki lad iada ia ka mariang).

U nongpyniaid ia kane ka projek un buh 5% na ka jingkhein ia ka jinglut jong ka projek kumba la kdew ha ka kaiphod ha la buh lypa, ka ba poi sha ka 1.15 lakhs kum ka jingkitkhlieh jong ka project ia ka mairang (ka mang tynka jong ka (CER) Corporate environmental Responsibility. Hynrei, ia ka jingtip ba bniah jong ki kam jong ka CER yn buh da u nongpyniaid ha ka jingpynbeit ba khatduh jong ka EIA/EMP la pynmih ha ka por jong ka jingiamir jingmut.

Kane ka long katkum ka MoEF&CC's OM No. 22-65/2017-IA.III ba la pynmih ha ka 25 tarik u Rymphang (February), 2021 halor ka Corporate Environmental Responsibility.

---

8. JINGPYNKUT (Conclusion)

Hadien ka jingwad bniah halor ki jingktah ha ka mariang bad ki lad ban teh lakam ba la kdew ha ka EMP, ka jingpynkut ka long ba ym don jingma ba khraw ia ka jinglong jong ka mariang bad ka rukom im ha katei ka jaka na kane ka projek tih parmawshun.

Haba peit pat ha kawei ka liang, kane ka projek kan wanrah shibun ki jingmyntoi kum ka jingpynmih ki kamai kajih ki ba bun, ka jingroi ha ka ioh ka kot ha katei ka jaka, lyngba ka jingpynbha ia ki lad jingshna bad ki jingmyntoi ha ka imlang sahlang.