

Annex – Chhehvel Enkawlna Kalhmang (Environmental Management Plan)

Bung zat	Project hna / thlen chin	Nghawng awm theihna	Nghawng tih tlem ruahman dan	Tehna ngaih pawimawh tur te	Tehdan leh A hun bi	A mawhpur tu pawl	Hnathawh dan ruatlawkna
Hna thawh tan hma							
1	Boruaka thirhruithlunna thirban pui (tower)/ thirban te/ leihnuai semdarhna hrui awmna hmun leh a hawilam ruahmanna.	Mihring tan a hlauhawm thei.	Thirhruithi Chenna in atanga a hlat zawng dan in a phal ang chinah dah tur.	Thirban pui (tower) awmna/leihnuai semdarhna hrui te chenna hmun hnai berte ngaituah tel in.	Chenna hmun atanga a hlat zawng teh – vawikhat	Mawhpur tu pawl (Implementing Agency(IA))	Thirban hrui leichungah leh leihnuai semdarhna thenkhatte awmna tur enlawkna leh ruangam siam
2	Hmanrua hrilhfi ahna leh a ruangam chin tehna.	Receptors (boruak,tui,lei)- a chemical (damdawi ei chilo) leh boruak thalo siam	Substation transformer leh hna thawhna hmun leh hmanrua ah PCB hman loh	Transformer ruangam (design)	Tender a telh a nih angin PCB tel loh tur- vawikhat	IA	Hmanrua Hrilhfi ahna Tender in a sawi thenkhatte.
			Hnathawh danah leh hnathawhna hmanrua leh hnathawh kalphung ah chlorofluorocarbons(CFCs), halon hman loh tur. Hman anih chuan sawrkarin dan zawmin tihral tur.	Hnathawh dan, hnathawhna hmanrua (khawl) leh hnathawh tur ruangam	Tenderin a sawi angin CFCte tel loh tur - vawikhat. Phase out schedule to be prepared in case still in use – once. Hman nih chuan paih chhuah dan hunbi siam – Vawikhat	IA	Hmanrua Hrilhfi ahna Tender in a sawi thenkhatte Hnathawhna hmanrua leh ruahmanna ruangam thenkhatte
3	Kawlphetha thawnchhuahna/ Semdarhna kawng ruangam	Electromagnetic interference in a tih buai theih.	Electromagnetic interference in a tih buai loh nan a thirhruithlunna ruangam a nghawng nei phak lova siam.	Kawlphetha thlun zawm tumna thirhruithi a Electromagnetic field chak zawng tehna	Thirhruithi pawh dan ruangam danin a phal chin kalpui leh kalpui loh tehna- vawikhat	IA	Hnathawh Ruangam tehna

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4	Substation awmna hmun leh ruangam	Ri bengchheng awm thei.	Khawlpui (plant) bunna ruangam chuan ri bengchheng bik ah dan in a phal anga ngaituah tel tur.	Substation ruangam a zirin ri bengchheng awm thei	Dan zawm – vawi khat	IA	Hmunhma zirchian leh ruangam enthlithlai
		Vantlang tana thatlohna	Vantlang, Khawtlang leh hmun pawimawh ti chhe lo zawnga uluk taka hmun thlan(entirna:- hmun thianghlim, thlanmual, biakbuk, lungphun etc.)	Substation hmun thlan dawn in hmun pawimawh (hlat zawng)	Khawtlang hruaitute nen inrawntawwna.\ - Vawi khat		Hmunhma zirchian leh ruangam enthlithlai
5	Thirban pui/ te hmunhma enthlithlai leh boruak/leihnui hru hawidan enthlithlai leh a ruangam	Tuikhur/lui/tui tlan te a nghawng	Tui hmun pal tlang loh hram dan ngaihtuah Tui hmun pal tlang lova thirban pui phun dan ngaihtuah	Thirban pui/te leh boruak/leihnui hru hawizawng thlan (tui hmun atanga a hlat zawng)	Khawtlang hruaitute nen inrawntawwna-vawi khat	IA	Thirban pui/ te hmunhma enthlithlai leh boruak/leihnui hru hawidan enthlithlai leh a ruangam
		Vantlang tana thatlohna	Uluk taka kawng sial a chenna hmun leh hmun pawimawh pehhel	Thirban pui/te leh boruak/leihnui hru hawizawng thlan(chenna hmun leh zirna in atanga a hlat zawng)	Khawtlang hruaitute/ram neitu ten en inbiakrawntawwna-vawi khat	IA	Thirban pui/ te hmunhma enthlithlai leh boruak/leihnui hru hawidan enthlithlai leh a ruangam
			Leilet/thlawhhma ram hmun bik ah te nghawng tlem thei ang bera kalpui.	Thirban pui/te leh boruak/leihnui hru hawizawng thlan (leilet atanga a hlat zawng)	Khawtlang hruaitute/ram neitu ten en inbiakrawntawwna-vawi khat		

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			Uluk taka a hmun thlan a, a kawng hawizawng sial a vantlang, khawtlang leh hmun pawimawh bik (entirna:-hmun thianglim, thlanmual, biakbuk, lungphun etc.) te pehhel.	Thirban pui/te leh boruak/leihnuai hrui hawizawng thlan(hmun pawimawh atanga a hlat zawng)	Khawtlang hruaitute rawn-vawi khat		
6	Substation tana ram neih	Ram chan/ei zawwna inthlak leh khawtlanga dinhmun inthlak	Ram in lak sak (Involuntary Acquisitions) a ngaih chuan zangnadawmna leh R&R-a kalphun angin India sawrkar dan RFCTLARRA, 2013 ¹ hmangin lak a ni thin ang.	Zangnadawmna leh R&R sum zat/ remchanna te chu ram lei hmain tih tur	Dan in a phal angin	State Sawrkar	Substation hna pek chhuah hma/hnathawh tan hma.
7	Ram humhalh / ecological hmun khawih	Leilung hausakna leh nungchate a ti chereu thei	Heng hmuna luh loh dan hi a hmun thlan lai leh a hawi zawng siam lain tih tur (National Parks, Wildlife Sanctuary, Biosphere Reserves/ Biodiversity Hotspots)	Thirban pui/te leh boruak/leihnuai hrui hawizawng thlan(hmun humhalhna atanga a hlat zawng)	A hmun enkawltu Forest hruaitute rawn- vawi khat	IA	Hmunhma zirchian leh ruangamte enthlithlai
			RoW (hna kalpui na hmun/paltlang tur) hmangin heng mamawhna te hi tih tlem tur	Thirban pui/te leh boruak/leihnuai hrui hawizawng thlan	Khawtlang hruaitute leh design engineer te rawn- vawi khat	IA	Hmunhma zirchian leh a ruangam enthlithlai

¹ Ram lak sak dan thar “The new land acquisition act i.e RFCTLARRA,2013” hi article 371 G India constitution in a la pass chiah loh avangin State Legislative Assembly hian a la hmang thei ri loh a ni. Hemi vang hian ram lak a tul chuan PEDM in ram neitu atanga in pek phalna emaw ram neitu dawr in in leisak emaw in biakremna emaw ram leiduh emaw hralh duh te hnen atagin dan thar hman theih hma chu ram lak chungchanga a kalpui ang.

Bung zat	Project hna / thlen chin	Nghawng awm theihna	Nghawng tih tlem ruahman dan	Tehna ngaih pawimawh tur te	Tehdan leh A hun bi	A mawhphurtu pawl	Hnathawh dan ruatlawkna
8	Sai kawng/sava kawng pal tlanga thirhruai thlun	Ramsa/sava tana chhiatna leh thirhruai tan pawh chhiatna	Sai kawng awmna zir chiana peh hel. Lei atanga a san zawng sang tha tawk tak, circuit breaker hman, thirlen a thirban tuam, a zau zawng tih zim etc., te hi hman tangkai	Thirban pui/te leh boruak/leihnuai hrui hawizawng thlan Lei atanga sang theina ber leh hniam theihna ber	A hmun enkawltu Forest hruaitute rawn- vawi khat En zui- thla thum danah	IA	Hmunhma zirchian leh a ruangam leh hna kalpui dan enthlithlai
			Sava pem kawng hriatsa leh hmanlai te pehhel a an thlawhna kawng tih danglam lo emkhalh, sava venhimna dah, sava fukna siam,etc. ² ,	Thirban pui/te leh boruak/leihnuai hrui hawizawng thlan	A hmun enkawltu Forest hruaitute rawn- vawi khat	IA	Hmunhma zirchian leh a ruangam leh hna kalpui dan enthlithlai
9	Ram ngaw paltlanga hrui thlun	Ram ngaw thiah in nungchate leh ramngaw inkungkaihna a nghawng	Hmunhma leh thirhruai hawizawng uluk taka thlan a heng hmun hi pehhel	Thirban pui/te leh boruak/leihnuai hrui hawizawng thlan(ramngaw humhalh atanga a hlat zawng)	Khawtlang hotute rawn- vawi khat	IA	Hmunhma zirchian leh a ruangam enthlithlai
			Thirban pui, thirban sang leh Row(hna kalpui na hmun/paltlang tur) awmsa a theih chin china hman tangkai		Khawtlang hruaitute leh design engineer te rawn- vawi khat		
			Ramsa/rannung laka inven nana hmalakna	Ramsa/rannug in a luh chilh	A hmun enkawltu Forest hruaitute rawn- vawi khat		
			Sawrkar atanga phalna lak	Sawrkar phalna	Inremna leh dan bawhchhiat lova kalpui-subproject hna tin tan- vawi khat		

² Ram pawn / ram chhunga (International/National) kalpui thin dan tha ber turin leh a bialtu forest/wildlife hotute rawn telin.

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			Khawtlang hruaitu te a tulna apianga rawn	Khawtlang hruaitu te phalna	Khawtlang hruaitute rawn-thirban phun lain vawi khat		
10	Huan/ lo pal tlanga thirhruithlun	Thlai thar chhuah tlem/thlai chin thlakthleng	Thirban pui/hmun awmsa lai a theih chin china hman	Thirban pui/te leh boruak/leihnuai hrui hawizawng thlan	Khawtlang hruaitute leh design engineer te rawn- vawi khat	IA	Hmunhma zirchian leh a ruangam enthlithlai
			Huan/lo chhungah thirban thar phun loh hram dan kawng zawn a theih chuan.	Thirban pui/te leh boruak/leihnuai hrui hawizawng thlan	Khawtlang hruaitute leh design engineer te rawn- vawi khat		Hmunhma zirchian leh a ruangam enthlithlai
11	Ri bengchheng kaih hnawih	Thenawm bulhnai te tana ninawm	Substation thuthmun leh ruangam siam danah ri bengchheng lo thei ang bera siam	Ri bengchhen zawng	Ri bengchhen zawng phal chin tender ah chipchiar taka tel- vawi khat	IA	Hmunhma zirchian leh a ruangam enthlithlai
12	Tuihawk luan kawr/tui lakna (lo/leilet tan) nena harsatna	Tui lian/thlai thar chhuah tlem	Tuikawng tibuai lo tura thirbanpui te dahna hmun thlan	Thirban pui/te leh boruak/leihnuai hrui hawizawng thlan(tui lian awm theihna atanga a hlat zawng)	Khawtlang hruaitute leh design engineer te rawn- vawi khat	IA	Hmunhma zirchian leh a ruangam enthlithlai
13	Bawlhhlawh chungchang	Hmunhma tih bawlhhlawh	Transformer te hi oil bua khawl na neia siam, oil leh mamawh dangte dahna leh a bua tihfaina khawl a nei ang.	Khawl chanchin kimchang leh a chhehvel a tih khawloh theih dan chung chang	Tender a chipchiar taka sawi lan- vawi khat	IA	Hmunhma zirchian leh a ruangam enthlithlai

Bung zat	Project hna / thlen chin	Nghawng awm theihna	Nghawng tih tlem ruahman dan	Tehna ngaihpaawimawh ture	Tehdan leh A hun bi	A mawphurtu pawl	Hnathawh dan ruatlawkna
			Substation tinah a bulhnai ram leh tui ti bawlhhlawh lo tura sawngbawlna neih	Substation a bawlhhlawh/tui chhe paih sawngbawlna chungchanga ruahmanna	Tender a chipchiar taka sawi lan- vawi khat	IA	Hmunhma zirchian leh a ruagam enthlithlai
14	Tuilian in a hmanrua a chim	Receptor te a chim chhe thei	Substation te hi tuilian in a chim theih loh nan (High Flood Level) a awmna tih san	Substation te hi tuilian in a chim theihlohna china dah	Tuilian chim theihloh tura ruahmanna-vawi khat	IA	Hmunhma zirchian leh a ruagam enthlithlai
15	Kang puak/ Kangmei	Nunna tana hlauhawm	Substation te kangthelhna hmanrua chhuak thar bera thuam Transformer bul hnaia kangthelhna hmanrua dah	Substation te hi kangmei laka him tura dan bu zawm	Tender a chipchiar taka sawi lan- vawi khat	IA	Hmunhma zirchian leh a ruagam/ lemziak enthlithlai
Hnathawh lai							
16	Khawl dahna leh khawl bun chungchang	Ri bengchheng leh nghawr	Lei a nghawr tlem theih nan a sak dan leh khaw thlan thiam	Sak dan leh khawl chungchang	Lei a nghawr tlem theih nan in sak dan leh khaw thlan thiam- hna tan dawn apiangin vawi khat	IA (Contractor ten an contract huam chhunga an tih tur))	Hna thawh hun chung
17	Hhna thawh tak tak	huan/lo hna in a tibuai	Buh/thlai seng/lak lai ti buai lova hna thawh(a theih chin chinah)	Hna thawh tan hun	Thlai a tihbuai-lak/seng hnu ah thlai thar chin leh hma in- kum khatah vawi khat	IA (Contractor ten an contract huam chhunga an tih tur)	Hna thawh hun chung

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18	Khawl hmanga hnathawh	Bengchheng, nghawr leh a hmangtu tana himna, hna tha leh chak	Hnathawhna hmanrua te tha taka enkawl	Hnathawhna hmanrua in ri bengchheng a siam chhut lawk	Khawtlang hruaitute hnen atanga sawiselna dawn-kar hnih danah	IA (Contractor ten an contract huam chhunga an tih tur)	Hna thawh hun chhung
		Bengchheng, ng hawr, hmanrua chul	Khawlpui hman lova tih nung reng lohtur.	Hnathawhna hmanrua in ri bengchheng a siam zat leh hnathawh dan hunbi	Khawtlang hruaitute hnen atanga sawiselna dawn-kar hnih danah	IA (Contractor ten an contract huam chhunga an tih tur)	Hna thawh hun chhung
19	Kawng sial that	Vaivut leng/khu tam	Kawng awmsa bungraw thiar nana hman leh thri hrui kalna kawng enkawl that.	Kawng thar laih tur sei zawng leh zau zawng	Kawng awmsa hman- kar hnih danah	IA (Contractor ten an contract huam chhunga an tih tur)	Hna thawh hun chhung
		Ram mamawh tih zau belh hun reilote tan kalkawnga hman	Kawng thar zau zawng leh thirhrui zau zawng a intiat lekin sial angai	A zau zawng teh (metre in)	Kawng thar zau zawng leh thirhrui zau zawng a intiat lekin sial angai	IA (Contractor ten an contract huam chhunga an tih tur)	Hna thawh hun chhung
20	Hnathawh kalhmang	Khaw mite himna	Khawtlang nena hnathawh dan tur leh hna thawhna hmun hung that leh hnathawh hmun mipui inhrilh hriat zauna neih.	Khawtlang himna chungchanga a hun taka chinchang lak leh enpui	Thil thleng chhinchhiah- kar khatah vawi khat	IA (Contractor ten an contract huam chhunga an tih tur)	Hna thawh hun chhung
		Lirthei veivak danna	Khawtlang hruaitu te nena kawng leh inkalpawhna hman dan chung chang rel	Lirthei veivak dan chah	A zin dan-ni tina en tur	IA (Contractor ten an contract huam chhunga an tih tur)	Hna thawh hun chhung

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21	Hmanrua/khaw hman theih lova bawlhhlawhin a hnawh	Luangliam, a bua tih tlem	Bawlhhlawh in paih chhuahna a hnawh theihna laiah bawlhhlawh paih loh tur	Bawlhhlawh paih khah zat teh (m ³).	Bawlhhlawh in paih chhuahna lai endik- kar li danah	IA (Contractor ten an contract huam chhunga an tih tur)	Hna thawh hun chung
22	A hnathawhna hmunhma thenfai	Thing leh thlai	Thing leh thlai te chhinchhiah hmasak a chumi hnuah sam fai tur chin bithliah	Sam fai tur chin chhinchhiah a tih fai (area in m ²)	Bithliah chin tih fai ani em- kar hnih danah enfiah tur	IA (Contractor ten an contract huam chhunga an tih tur)	Hna thawh hun chung
			Hlo tur leh rannung thahna hlo hman loh tur				
23	Thirhruai awmna(RoW) zawna thing kih/a zar thlak	Kangmei hlauhthawnawm	Dan in a phal ang chinah RoW a thing awm te chu rawt hniam tur.	Thing chi- thing chi a zirin dan in a phal loh chu kih loh tur(a puitling san zawng leh len zawng metre in the tur)	Chutiang thing chu a awm leh awm loh enfiah phawt- vawikhat	IA (Contractor ten an contract huam chhunga an tih tur)	Hna thawh hun chung
		Ngaw tih chereu leh thlai tih chhiat	Thingkung rawt hniam leh a zar thlak theih te chu kih loh tur	Thing chi a zirin dan in a phal loh chu kih loh tur	Chutiang thing chu a awm leh awm loh enfiah phawt- vawikhat	IA (Contractor ten an contract huam chhunga an tih tur)	Hna thawh hun chung
			Thing kih leh a zar thlakna te chu thuneitute phalna anga tih/paih ral tur	Thuneitute phalna anga tih ral anih loh loh (area cleared in m ²)	Thuneitute phalna anga thing hman- vawikhat	IA (Contractor ten an contract huam chhunga an tih tur)	Hna thawh hun chung

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24	Thing/thlai thar lak chungchang	Ngaw tih chereu leh thlai tih chhiat	Hna thawktuten hna thawhna hmuna thing mahni hman tura lak khap ani(anmahni ta anih loh chuan)	Dan lo anga thing kih/lak(a hmun zau zawng m ² leh a thlen zat)	Veng/khua mite sawiselna emaw dan lo anga thing kih finfiahna-kar hnih danah	IA (Contractor ten an contract huam chhunga an tih tur)	Hna thawh hun chung
25	Leivung	Leivung atangin tui hawk in tui a tih bawhlawh, bawhlawh sawngbawl dan.	Leivung hi kawng sir ah emaw ram neitu ten paih an duhna hmunah paih tur	Leivung paihna hmun leh paih zat (m ³).	Leivung paih theihna hmun- kar hnih danah	IA (Contractor ten an contract huam chhunga an tih tur)	Hna thawh hun chung
26	Substation sak hna	Lei riral	Lei riral tur hi buaipui tham em em a awm lova a chhan chu leivung hi a hnawh khah nan hman leh tur ani. Amaherawhchu a hnawh khahna tur mamawh belh anih chuan khawtlang hruaitu te remtihna in ram ruak ami lak theih ani ang	Ram ruak hawh theih tur en (a zau zawng m ² leh a tam zawng m ³).	Ram hawh tur pawm tlak-kar hnih danah	IA (Contractor ten an contract huam chhunga an tih tur)	Hna thawh hun chung
		Tui tih bawhlawh	Lei laih hna hi fur lai in thawh ani lovang	Lei laih hna thawh theih hun tur	Buaina awm thei en thlithlai-hna tan hma	IA (Contractor ten an contract huam chhunga an tih tur)	Hna thawh hun chung
27	Hnathawna hmunhma tihfai	Thing leh thlai	Thing kih hi lei seh chinah kih tur ani a, a bul kar loh tur	Sam fai laia leilung awm dan (area, m ²).	Leilung chereu dan-kar hnih danah	IA (Contractor ten an contract huam chhunga an tih tur)	Hna thawh hun chung
				Thuneitute phalna	Thuneitute phalna lak- vawi khat zel		

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28	Substation lungphum/Thirban phunna leivung	Bawlhhlawh paih dan	Leivung hi kawng sir ah emaw ram neitu/khawtlang hruaitu ten paih an duhna hmunah paih tur	A hmun leh leng zat(m ³)	Paihna hmun en dik- kar hnih danah	IA (Contractor ten an contract huam chhunga an tih tur)	Hna thawh hun chung
29	Chemical leh thildang dah thatna	Receptor te tih bawlhhlawh(kh awmual,tui, bor uak)	Tui althei leh hlauhthawnawm thil te chu tuilian chim phak lova dah that	Thil chhe thei leh hlauhawm awmna leh dah thatna hmun; a buak dan kimchang(eng thil nge bua- a baw zat (kg emaw m ³) leh entiang a khuahkhirh leh chin fel tur nge	Khawl tihnunna tui althei dah thatna hmun leh hma- kar hnih danah	IA (Contractor ten an contract huam chhunga an tih tur)	Hna thawh hun chung
30	Hnathawh hunruat	A chhehvel ami te tana ri bengchheng	Hna reng reng chhuna thawh zel a tin thenawm khawveng te hnathawh hunbi ruahmanna te hriattir thin.	Hna thawh hunbi/dar (bengchhen dan,dB(A)	Chhunah chauh hna thawh – kar 2 danah	IA (Contractor ten an contract huam chhunga an tih tur)	Hna thawh chung zawng
31	Hnathawktu te mamawh phuhruk sak	Ram, tui, boruak ti bawlhhlawh	Kut hnathawktu te alwsamna ah bawlhhlawh paihna, inthiarna, tui pek that te ngaihtuah tel.	Hnathawktu ten an mamawh ang an hmuh natur ngaihtuahsak	Mamawh lamna leh bawlhhlawh paihna siamsak – wavi khat remchana thar a piangin	IA Contractor ten an contract huam chhunga an tih tur	Hna thawh chung zawng
32	Ramdang atanga thawktu lo lut pung vak	Khawtual mite nena hnathawh inchuhna	An thawh theih ang reng reng hnaah khawtual mite thawh tir	Buaina pumpelhnan a theih ang hmanrua leh hna sem zai	Enpui leh Kawhmuh – kar tin	IA Contractor ten an contract huam chhunga an tih tur	Hna thawh chung zawng

Bung zat	Project hna / thlen chin	Nghawng awm theihna	Nghawng tih tlem ruahman dan	Tehna ngaih pawimawh tur te	Tehdan leh A hun bi	A mawhpur tu pawl	Hnathawh dan ruatlawkna
33	Thirhruin lo a tantlang in	Thlai thar a ti tlem thei	A theihna apiangah kawng awmsa hman	Kawng awmsa hman	Sawiselna khawtual mi emaw thuneitute dawn zawng zawng – kar 4 danah	IA Contractor ten an contract huam chhunga an tih tur	Hna thawh chhung zawng
			Thlai tui pekna hmantlak in an enkawl em tih fiah phawt tur	Thil neihsa dinhmun en			
Lei pawnglang rilral tur ven a sak zawh hunah a hma anga dah let leh.	Lei awmdan en (lei laih tehna m ³)						
Leileta tui kawng hnawhping/tihchhiat te hna zawh hnua siamthat sak	Lei awmdan en (lei laih tehna m ³)						
		Vantlang buaina	Lo neitu/ ram neitu an channa/ hloh ang hu dan in a remtih chin anga zangna dawmna pek	Thlai/ Thing zangnadawmna pek danah forest dept.(thingzai chi thingah) leh Horticulture dept.(thei chhuah chi thingah) rawn nise.	Hnatawh tan tak tak hma leh thawh lain a nghawng chin ram neinute nena sawi ho.	IA	Hnathawh lain.
34	Lei luangral nasa lutuk	Lei hloh, luikawr leivungin hnawh.	A panna tur kawng tlem thei ang ber siam, kawng awmsa hman.	Duanlawk anga hnathawh (tuia thil sakhat; hnim leh thing phunthar leh zau zawng chu m ² in, tui luanna siam seizawng chu meter, zauzawng chu m ² in emaw a huam zauzawng m ³ in.	Thil sak dan kalphung mumal leh felfai tak hman – hnathawhna hmun apiangah wawi khat.	IA Contractor ten an contract huam chhunga an tih tur	Hnathawh chhung
			Hnathawhna hmunhma chauh samfai.				

Bung zat	Project hna / thlen chin	Nghawng awm theihna	Nghawng tih tlem ruahman dan	Tehna ngaih pawimawh tur te	Tehdan leh A hun bi	A mawhpur tu pawl	Hnathawh dan ruatlawkna
			Hnim leh thing a chereu lutuk loh nan a theih anga hna zawh hnua phun leh. Fur laia lei laih loh Tui luankawr a pin loh nana tui kawng felfai siam.				
35	Thenawm te tana hnawksak.	Thenawm ram te hman tangkai theihloh phah/ram hlutna tlahniam phah.	Contract thua fiah taka fimkhur taka hna thawh tur a ni tih ziahlan.	Contract a a bung ziak lan a dan	Thil sak dan kalphung mumal leh felfai tak hman – hnathawhna hmun apiangah wavi khat.	IA Contractor ten an contract huam chhunga an tih tur	Hnathawh chhung
			A tam thei ang ber panna kawng awmsa hman.	Ruahman leh pianhmang angin	Thil sak dan kalphung mumal leh felfai tak hman – hnathawhna hmun apiangah wavi khat.		
			Huan tha /lei tha hna thawh zawhah siamthat sak.	Lei dinhmun a hman anga dah leh (a nghawng zau zawng m ² in)	A nghawngte nena inrawn tlan – wavi 2 – hna thawh zawh velah leh an thlaithar/buhseng hmasak berah.		
		Vantlang buaina	Thlai thar chhuah atlahkniam chuan zangnadawmna pek ani ang.	Thing/ thlai atana zangnadawmna pek (pek zat)	A nghawngte nena inrawn tlan – thla thum danah.	IA	Hna tan hma
36	Hnathawhna in tui luankawr a hnawh avanga tui lian.	Tuilian leh lei hloh, receptor tibawlhhlawh.	Tui luankawr awmsa hnawh leh tui luankawng awmsa ti danglam lo tura hna thawh.	Contract a alan dan angin. (eg. Tuia bawlhhlawh leh	A sak dan kalphung mumal leh felfai tak hman	IA Contractor ten an contract	Hnathawh chhung

Bung zat	Project hna / thlen chin	Nghawng awm theihna	Nghawng tih tlem ruahman dan	Tehna ngaih pawimawh tur te	Tehdan leh A hun bi	A mawhpur tu pawl	Hnathawh dan ruatlawkna
		(Lei, Tui)		BOD/COD)	– hnathawhna hmun apiangah vawi khat.	huam chhunga an tih tur	
37	Hmanrua tuilian in a chim pil.	Receptor ti bawlhhlawh (lei, tui)	Tuilian chim phak loha (HFL) bungrua dahthat.	Kudam awmna HFL atanga sanga siam.	Kudam awmna sanzawng tuilian chim phak loha dah- vawi khat.	IA	Hnathawh chung
38	Quarry awmna hriatlawk that loh.	Ram hlutna hloh.	Quarry chu hnathawhna lung lakna atan hman nghal.	Contract bunga alan angin.	A sak dan kalphung mumal leh felfai tak hman – hnathawhna hmun apiangah vawi khat.	IA Contractor ten an contract huam chhunga an tih tur	Hnathawh chung
39	Hriselna leh Sahimna	Hnathawktu emaw mipui inhliam leh damlo.	Hnathawktu tana sahimna hmanrua (PPEs) pek.	Contract bunga a awm angin thil thleng – damlohna avang emaw inhliam avanga hnathawh ni hloh zat lantir.	Contract angin hna an thawk ngei em - Thla 3 zelah.	IA Contractor ten an contract huam chhunga an tih tur	Hnathawh chung
			Contract ah hnathawktu te buk siam nana thiltul dah.				
			Contractor in hriselna leh palh awmthei thila sahimna atana ruahmanna fel tak siam.				
			Himna leh hriselna kawnga inzirtirna contractor te neihtir.				
40	Hnathawh chin ngaihven that tawk loh.	Chhiatna tam tak a thlenphah thei.	Environment endiktu tur training neih tir.	Training atana hun ruat leh ruahman.	Mi pakhat in kum khata zirtirna (training) dawn zat.	IA	Hunbi neih in Hnathawh chung zawngin.
			Environment chungchang chhinchiahna leh reportna tur felfai tak duan.	Chhinchiahna leh siamthatna hna enfiah.	Chhinchiahna zawng zawng a kima hnathawhna hmun zawng zawng atanga lak a thehluh.		

Bung zat	Project hna / thlen chin	Nghawng awm theihna	Nghawng tih tlem ruahman dan	Tehna ngaih pawimawh tur te	Tehdan leh A hun bi	A mawhpur tu pawl	Hnathawh dan ruatlawkna
			Contract chhungah environment chhiatna tur tihtlemna tur kawng fel tak siam tel	Hmalakna report environment kaih nawih dan zawm ngei contract a dah angin	Contract ti nin an zawmna report kim taka thehluh.		
Operation and Maintenance							
41	Boruaka thirhruithlunna thirban pui/ thirban pui /thirban te/ leihnuai semdarhna hrui awmna hmun leh a hawilam ruahmanna.	Mihring tan a hlauhawm thei.	Thirhruith te hi Chenna in atanga a hlat zawng dan in a phal ang chinah dah tur.	A hlatzawng danin a phal an zawm em (sak fel tawhte liam ziaka siam)	In hnai ber hlatzawng a tawkem- thla thum danah)	PEDM	Hman lain.
42	Sava thlawhna kawng hriatsa ngeia awm.	In sutpalh leh kawlphehtha in a man vanga sava leh bak te inhliam leh thi.	Sava leh bakte an thlawh thin na tih hriat ngeina hmun hman loh leh an thlawh kan theihna tura hmanrua dah leh kawlphehtha in a man loh nan thirhruith tuam.	Inhliam leh thi ngaihven reng.	Thil thleng chhinchhiah thla khatah vawi khat	PEDM	Hmunhma zirchian a ruangam enthlithlai leh hman
43	Hmanrua tui lianin a chim pil.	Receptor ti bawlhhlawh.	Tuilian chim phak loha (HFL) bungrua dahthat.	Substation ruangam (HFL) zirin tui chim theih loha ruahman (sak dan lamziak fel)	Tuilian chim phak loh a dah san.	PEDM	Hman lain.
44	Tel (oil) bua	A bul ram leh tui awmte ti bawlhhlawh.	Substation transformer hmun him leh sakhat taka dah a transformer oil pawh a tanky 100% dah theih na tur tanky siam.	Substationah baw chhuak loh tura hnawh pin (Oil sump) (“as-built” diagrams)	Hnawhna hi (Oil sump) a hmantlak dan leh a ngheh chin- vawi khat	PEDM	Hman lain.

Bung zat	Project hna / thlen chin	Nghawng awm theihna	Nghawng tih tlem ruahman dan	Tehna ngaih pawimawh tur te	Tehdan leh A hun bi	A mawhphurtu pawl	Hnathawh dan ruatlawkna
45	SF6 enkawl.	GHG pechhuak atanga sik leh sa tidanglam thei.	SF6 chhuak nasa lutuk lo turin a dalna seal thlak, uluk taka hman leh dahthatna uluk leh thiamna thar zel hmanga put lo tura enkawl.	A put chhuak leh a gas chhahzawg/ san zawng.	Engtiklai pawha ven that reng.	PEDM	Hman lain
46	Hman laia hnathawktu hriselna leh sahimna ngaihtha	Hnathawktute hliam leh damlohna	Hna kalhmang leh Ruagam fimkhur taka duanin hlauhthawnawmte pumpel.	Hna tangkai taka leh tulna zirin kalhmang ngaituah that (hnathawktute hliam vang leh damlohna vang a ni hlauh)	Harsatna tawn laia hna kalhmang hrang hrang siam.- kum tin vawi khat.	PEDM	Ruagam leh hman lain.
			Hnathawktute fimkhur leh sahimna chungchang puan chhuah.	Inzirtina/inhrilhriat na hun hman leh inzirtirna a taka lem changin (mock drills)	Inzirtirna hun awm zat leh kut hnathawktu/hnathawktu kum khata zirtirna vawi khat		
			Kangmei lak in ven dan tur leh kalpui dan ah in zirtirna hmanhmawh thil tak tak a te.	Mamawhna siam sak	Hnathawktu te sawiselna dawn kar hnih danah.		
			Inthiarna leh tui sem tih changtlun sak.				
47	Kawlphetha man palh hlauhthawn thil awmthei	Hnathawktu leh mipui te laka hliam/ nunna chan	Hnathawh in rel bawl kawng (design) fimkhur taka duan a khawl hman chungchangah pawh hlauhthawnawm tlem chi hman tum	Hna kalhmang pawh a mil zela thawh (hna thawh ni hlauh zat leh in tih palh zat)	Hetianga hna kalhmang mil a eng hunah pawh inbuatsaih sa reng hun khirh taka a pawh- thla tin.	PEDM	Rel lawk dan (design) leh hman lain
			Kawlphetha semdarhna (Transmission) banpui (tower) lawn theihlo nan pin/ leh thiah mai theih loh nan	Pin phuinate hi enkawl			
			Hlauhawm inhriat lawktirna (Signboard) hmalakna hmun ah te.	Heng signboard enkawl that			
			Kawlphetha laka sahimna inhrilh hriattirna/ puanzar hmalakna bull eh a chhe vel hmunah.	Inzirtina/inhrilhriat na hun hman leh inzirtirna a taka lem	Inzirtirna hun awm zat leh kut mi a hrilh hriat zat- kum		

Bung zat	Project hna / thlen chin	Nghawng awm theihna	Nghawng tih tlem ruahman dan	Tehna ngaih pawimawh tur te	Tehdan leh A hun bi	A mawhpur tu pawl	Hnathawh dan ruatlawkna
				changin (mock drills)	khata zirtirna vawi khat		
48	Hnathawh enkawl chhunzawm thiamna a tlem hniam bera pawm chin.	Tul lova chettlatna hmun khawih danglam a tih chhiat theihna (environment) kawng hrang hrang.	Sub stations leh kawlpheha semdarhna (transmission/distribution) thirhuri a enkawl leh buaipui chhunzawm tute chu zirtirna tha pek. Zirtir dan tur duan a, enkawl leh buaipui chhunzawm tute O&M Manual (Enkawlna dan bu) leh practice tha pek.	Inzirtina/inhrilhhriat na hun hman leh inzirtirna a taka lem changin (mock drills) mi pawimawh bik ah te.	Inzirtirna hun awm zat leh kut hnathawktu/hnatha wktu kum khata zirtirna vawi khat	PEDM	Hman lain
49	Hunbi lova environmental endik kalpui	Mihring, nungcha leh thing leh mau te pianto dan zirna (ecological) leh vantlang mipui thil (social) hlutna tih tlem	Hna enkawltute environmental endik kawnga project hnathawh leh enkawl kawnga hmalak tur ah thil tul in zirtirna	Inzirtina/inhrilhhriat na hun hman leh inzirtirna a taka lem changin (mock drills) mi pawimawh bik ah te.	Inzirtirna hun awm zat leh kut hnathawktu/hnatha wktu kum khata zirtirna vawi khat	PEDM	Hman lain
50	Hmanrua chipchiar tak leh ruahman dan (design) tehfung	Chemical-te (damdawi ei chi loh) leh boruak thalo (gas) ten boruak, khawmual leh tui ah te a in chawhpawlh chhiat dan te	Tih dan, hmaraw leh in rel dan ah cholofluorocarbons (CFCs), leh halon hman na te chu sawn fal a, thehthang dan pawh sorkar dan ang zel a tih thin tur.	Tih dan, hmaraw leh in rel dan (design)	Sawn fal chhuah hun ruat lawkna siam thla 3 zelin, la hman reng a nih chuan	PEDM	Hman lain

Bung zat	Project hna / thlen chin	Nghawng awm theihna	Nghawng tih tlem ruahman dan	Tehna ngaih pawimawh tur te	Tehdan leh A hun bi	A mawphurtu pawl	Hnathawh dan ruatlawkna
51	Kalwphetha semdarhna (Transmission/ distribution) thirhruai enkawl	Electromagnetic interference in a tih buai theih hmuh	Kalwphetha semdarhna (Transmission/ distribution) thirhruai ruangam chunglama san zawng electromagnetic interference awmlon na dam zawm.	Leiah vah fai (meter in)	Vah fai- vawi khat	PEDM	Hman lain
52	Hnim/hlobet to then lova awm reng	Kangmei laka hlauhthawnawm thing leh mau/ hnim hna kalpuina (RoW)	Kawlphetha a tih buai lo nan hunbi neia vah fai thin tur tin, thing leh mau te zar thlak emaw kik Dawmdawi (tur) hman loh tur.	Then fai ngai chin (meter in)	Forest lam hotu in be rawnin kum khat ah fur ruah tir/ fur hnu	PEDM	Hmanlai
53	Ri bengchheng lampang	Thenawm khaw veng in leh lo te tan a ninawm thei.	Substation hmun leh sak dan ruahman dan (design) a te ri bengchheng in midang tan ninawm siam lo tura duan lawk nge thin tur a ni.	Ri bengchheng teh na dinhmun san zawng {dB(A)}	Ri bengchheng san zawng te hi ram ri chin a cheng hnai ten en in rawntawwna neih tur, a awm chuan.	PEDM	Hmanlai