

## **KA LYNTI JINGKYNMAW (EXECUTIVE SUMMARY)**

### **Ka Jingbishar Bniah ia ka Jingtah ha ka Mariang bad ka Imlang Sahlang**

**Upgradation of Umsning - Jagi Road (40.13Km - 80.00 Km) for Meghalaya Logistics and  
Connectivity Improvement Project (MLCIP), funded by the World Bank**

**Ka Project Pynbha ia ka Jingkit Jingtah bad Jinglyngasoh ha  
Meghalaya (MLCIP)**

**La aiti sha**



**Ka Meghalaya Infrastructure Development Finance Corporation (MIDFC) Ltd.  
Ing No. L/A-56, Lower Nongrim Hills, bynta ba ha khlieh duh,  
Ka Building jong ka Meghalaya Basin Development Authority (MBDA),  
Shillong, East Khasi Hills District, Meghalaya – 793003**

## **Jyngbatai lyngkot shaphang ka ESIA**

### **Project Introduction**

Ka Meghalaya Logistics and Connectivity Improvement Project (MLCIP) ka thmu ban:

- a) pynbha ia ka jingidei bad jingikynduh sha ki jaka jingiarap jingiaid jingeng kiba kongsan ha ki surok ba la ithuh;
- b) pynbha ia ki jingtei bad ki jingshakri logistics ha ki shnong bad ha ka distrik;
- c) pynioh lad jingidei sha ki iew ki hat bad pynhiar ia ka jingiakot por bad jingiakot jingiaid jingeng na bynta ki mar rep bad ki mar soh bad jingiap um; bad
- d) pynkhlaia ia ka jingishim bynta jong ki jaka treikam (institutional capacity) na bynta ka jingiaid jingeng bad logistics kaba khlain ia ka mariang bad jingiap jingioh jingiap paidbah ha East Meghalaya.

Ka surok ba la tyrwa ka la don lypa shuwa ka jingpynlong ia ka jylla Meghalaya bad ka Right of Way (ROW) ka long haduh tang sha ka drain ba la don lypa. Ka surok project UJ ka don ka jingrong kaba 37.481 km, ka sdang na Sonidan ha ka chainage 40+130 bad ka poi haduh Umsiang ha ka chainage 77+611, ha kaba ka surok project ka kut.

### **Regulatory Compliance**

Ka ESIA ka bud ryntih ia kine ki kyndon:

- \* World Bank Environmental and Social Framework (ESF)
- \* Environmental and Social Standards (ESS 1–10)
- \* Ki aia mariang jong ka Sorkar India bad ka Sorkar Meghalaya
- \* Ki aia shaphang ka kam nongtrei, khlaw, jingida ia ki jingthaw mariang (biodiversity), bad ka jingpynneh ia ka jingikhuid jong ka mariang (pollution control)

### **Project Implementation Schedule**

Katkum ki kyndon bad ki jingiateh ba la buh, ka MPWD kan ai ia ka contract ban pynlong ia ka kam sha u contractor uba bit ban pyndep. U contractor un shim bynta ban thied ia ki mar jingiatei kiba bha bad kiba biang na ki jaka ba la ai bor bad na ki manufacturer ba la mynjur. Ki tiar jingiatei (equipment) kiba bud ia ki standard ba la buh dei ban pyndonkam ha baroh ka por

jingiatei. U contractor un wanrah ia ki nongtrei katkum ka jingiaid por jong ka jingiatei. Ka por jingiatei na bynta ka surok kaba jrong 37.48 km la thmu ban long 36 bnai.

### Baseline Environment

Ki dewbilat ha ka bynta surok ki long sandy loam, kiba suk ban mih um bad kiba kham acidic, kaba long katkum ka jinglong jong ka jaka kaba don jingiap um jur.

Ka jinglong jong ka um ka long kaba khuid, khlem jingiap jingiap mar jingiap kam, ka don pH kaba jingiaidei, dissolved oxygen kaba biang, turbidity kaba rit (lait noh ha ka por slap), bad BOD/COD kaba rit. Ym don jingiap kam industrial lane jingiap jingiaid rep paidbah kaba ktah ia ki wah bad ki um. Ha ka jingiatylli, ka um wah bad ka um poh khyndew ka dang long kaba bit ban pyndonkam na bynta ki jingdonkam paidbah hadien ka jingiap jingiaid rit.

Ka jinglong jong ka sur jingiap jingioh (noise) ka long kaba jar jar haduh kaba rit jingiap jingioh, katkum ka jinglong shnong. Ki baseline noise level ki hap hapoh ki kyndon CPCB na bynta ki jaka shnong bad jaka paidbah ha ka sngi bad ha ka miet ha bun ki jaka.

Ka surok project ka don ia ka jingikhuid lyer kaba bha haduh kaba rit, kaba long ka jingiaidei jong ka jylla Meghalaya kaba ym don jingiap kam industrial bun. Ki jingiap jingioh PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>2</sub> bad CO ki hap hapoh ki National Ambient Air Quality Standards (NAAQS).

### Environment and Social Impacts

Ka environment screening jong ka alignment surok ba la tyrwa ka la ithuh ia ki jingiap jingioh paidbah bad ki jaka ba jingiap jingioh jingiaada ha ka corridor. Kine ki kynthup ia ki skul kum ka Synod Secondary School (55+200), ki jaka sumar kum ka Umlaper Sub Centre (62+136) bad Umtrai PHC (66+324), ki jaka niam bad riti dustur kum ka kynroh balang (69+755), bad kiwei pat ki jaka paidbah kum ki iew, ki hostel bad ki stock yard.

La tyrwa ia ki lad jingiaada bad jingiap jingiaid (mitigation measures) kiba biang ban pynhiar ia ki jingktah sniew bad ban pynthikna ia ka jingiaid beit jong ka project. Kine ki jingiohi bad ki jingiarap ba la tyrwa la lum jingiatip ha ka table kaba bud.

**Table: Ki Jingbatai ba la Lap bad Ki Lad Jingpynbiang ba Dei Ban Leh**

| CH No.              | Type of Structure    | Jingjngai na Centre Line (m) | Jait Jingtei / Jingdonkam                                                                                                                                                                          |
|---------------------|----------------------|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>44+400 (LHS)</b> | Community Stock Yard | 7 m                          | Ha ka por shna surok, ym dei ban pynwit ne khanglad ia ka jaka rung jong ka stock yard. Dei ban buh ki lad jingpynneh jing kum ka barricading, signages bad kiwei ki lad jingpynsngew ha ka por ba |

|                     |                        |       |                                                                                                                                                              |
|---------------------|------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                     |                        |       | dang shna.                                                                                                                                                   |
| <b>43+450 (RHS)</b> | Community Fish Pond    | 15 m  | Dei ban tei ka retaining wall ha ka liang khongpong (valley side) ban pynskhem bad pynneh ia ka jaka.                                                        |
| <b>48+320</b>       | Mawlaho Market         | --    | Dei ban pynbha bad pyniaid beit ia ka junction ban pynsuk ia ka leit ka wan bad ba kham.                                                                     |
| <b>55+200 (RHS)</b> | Synod Secondary School | 20 m  | Dei ban buh ki lad pynrit speed (speed reduction measures). Ka retaining wall bad ka jaka rung ha skul yn pynkhreh pat (realign) ban lait na ka blind curve. |
| <b>62+136 (RHS)</b> | Umlaper Sub Centre     | 6 m   | Ha ka por shna surok dei ban buh ki lad jing kum ka barricading, signages bad kiwei ki lad jingpynsngew.                                                     |
| <b>66+324 (LHS)</b> | Umtraí PHC             | 50 m  | Dei ban buh ki lad jingpynneh jing ha ka por ba dang shna surok.                                                                                             |
| <b>69+755 (LHS)</b> | Church Wall            | 3.5 m | Solar blinker bad ka jingpynbha ia ka junction la buh jingmut ban tei.                                                                                       |
| <b>76+200 (LHS)</b> | Hostel Building        | 25 m  | Dei ban buh ki lad jingpynneh jing kum ka barricading, signages bad kiwei ki lad jingpynsngew ha ka por ba dang shna.                                        |

### Social Screening Findings (Ha ka Ktien Khasi)

Ha ka jingwad bniah jong ka Social Screening ha ka lynti jong ka project, la lap ba don katto katne ki jingtei kum ki dukan, ki wall compound, ki jaka shongwai (waiting stands), ka iingmane (church), bad ka kiosk, kiba don ha ka jingjingai 2.5–4.5 meter na ka centre line jong ka surok. Bun ki jingtei kin shah ktah da ka bynta marpoh (partial impact), khamtam ha Umtraí ha kaba lai–saw tylli ki jingtei ki shah ktah. Ka jingpynkynriah da ka bynta (minor shifting) ne ki lad ban pynskhem (protective measures) ki lah ban donkam ban pynduna ia ki jingthang jingwit ha ka por ba dang shna surok. Ki jinglap jong ka Social Screening la batai ha ka Table ha ka bynta harum. Table: Social Screening findings

| S.No | CH No.     | Ka Nam Shnong | Jingjingai na Centre Line (m) | Jait Jingtei / Jingdonkam                                      |
|------|------------|---------------|-------------------------------|----------------------------------------------------------------|
| 1    | 44+350 LHS | Sonidan       | 3.5                           | Jingtei Compound Wall jong ka ling (Residential Compound Wall) |
| 2    | 44+400 RHS | Sonidan       | 3.0                           | Dukan                                                          |
| 3    | 44+500 RHS | Sonidan       | 3.0                           | Community Parking Shed                                         |
| 4    | 47+700 LHS | Mawshunam     | 3.0                           | Jingtei Compound Wall jong ka ling                             |
| 5    | 48+340     | Mawshunam     | 3.5                           | Jingtei Compound Wall jong ka                                  |

|    |               |                      |     |                                    |
|----|---------------|----------------------|-----|------------------------------------|
|    | RHS           |                      |     | ling                               |
| 6  | 58+476<br>LHS | Sngahtyrkhang        | 2.5 | Jingtei Compound Wall jong ka ling |
| 7  | 60+945<br>RHS | Sngahtyrkhang        | 3.0 | Waiting Stand (Jaka Shong Wai)     |
| 8  | 61+000<br>LHS | Umlamphlang          | 3.0 | Waiting Stand                      |
| 9  | 61+825<br>LHS | Umlamphlang          | 3.0 | Waiting Stand                      |
| 10 | 62+152<br>RHS | Umlaper              | 3.0 | Jingtei Compound Wall jong ka ling |
| 11 | 64+690<br>LHS | Umtraï               | 3.0 | 3 tylli ki Dukan                   |
| 12 | 66+312<br>LHS | Umtraï               | 3.0 | Dukan                              |
| 13 | 66+588<br>LHS | Umtraï               | 4.5 | Waiting Stand                      |
| 14 | 69+776<br>LHS | Mawshang<br>Mawksiew | 3.5 | Church (Compound Wall)             |
| 15 | 75+050<br>LHS | Umsiang Maiong       | 3.0 | Dukan                              |
| 16 | 75+610<br>RHS | Umsiang Maiong       | 2.5 | Waiting Stand                      |
| 17 | 76+560<br>LHS | Kraikajam            | 4.0 | Dukan                              |

La donkam ban shim jaka kumba 0.38 hectare na ka bynta ki kam pynbha surok. Ki jaka ba kongsan ha kaba donkam ban pynbha ïa ka geometric jong ka Umsning–Jagi Road (37.481 km) la batai ha ka Table ha ka bynta harum.

#### Ki Sniang Kylli ba donkam ban Imbyn ia Ka Jingkylla Ka Road

| S/N | Shnong        | Ka bynta ba donkam (Sqm) | Kyntien / Khlur                |
|-----|---------------|--------------------------|--------------------------------|
| 1   | 41.1 – 41.3   | 1241.583                 | Ban Imbyn ka jingkylla ka Road |
| 2   | 45.9 – 46.2   | 937.74                   | Ban Imbyn ka jingkylla ka Road |
| 3   | 47.17 – 47.3  | 397.81                   | Ban Imbyn ka jingkylla ka Road |
| 4   | 48.00 – 48.30 | 1100.00                  | Ban Imbyn ka jingkylla ka Road |
| 5   | 57.1 – 57.3   | 151.049                  | Ban Imbyn ka jingkylla ka Road |

**Ki Jingkheĩn bad Ka Jingpynbha Ban Pyniaid na FPIC-I & FPIC-II (Umsning-Jagi Road)**

| S/N | Shnong            | Ka Jingiaid Dorbar                                        | Ki Kynroh / Ka jingdonkam jong ki shnong                                                                            | Chainage / Ka bynta | Ka Jingpynbha Ban Pyniaid                                                                 |
|-----|-------------------|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------------------|
| 1   | Sngahtyrkhang     | Ka Dorbar ka trei bha, ka donkam ban pyntreikam ka Scheme | Ban imbyn ka Junction bad ka footpath, Type Y                                                                       | 59+950              | Pyntreikam, Junction imbyn bha kum ka Standard jong ka Road Safety jong ki State Highways |
| 2   | Umlaper           | Ka Dorbar ka trei bha, ka donkam ban pyntreikam ka Scheme | Ban imbyn ka Junction @ Ch 62+700, Type +                                                                           | 62+700              | Pyntreikam, Junction imbyn bha kum ka Standard jong ka Road Safety jong ki State Highways |
| 3   | Umlaper           | Ka Dorbar ka trei bha, ka donkam ban pyntreikam ka Scheme | Ban imbyn ka Junction @ Ch 63+410, Type Y                                                                           | 63+410              | Pyntreikam, Junction imbyn bha kum ka Standard jong ka Road Safety jong ki State Highways |
| 4   | Umtraí            | Ka Dorbar ka trei bha, ka donkam ban pyntreikam ka Scheme | Ban imbyn ka Junction, Type Y bad ka footpath                                                                       | 64+600              | Pyntreikam, Junction imbyn bha kum ka Standard jong ka Road Safety jong ki State Highways |
| 5   | Umtraí            | Ka Dorbar ka trei bha, ka donkam ban pyntreikam ka Scheme | Ka road formation ha kane ka bynta ka khlem bha, ka donkam ban pyniaid ki drainage system bad ka road ha uwei u por | 66+210 to 66+500    | Filling bad Subgrade ka la pyntrei ban 1.00 m u khmat                                     |
| 6   | Mawshang Mawksiew | Ka Dorbar ka trei bha, ka donkam ban pyntreikam ka Scheme | Ka "Orlong Hada" (religious institution), Junction improvement @ Ch 69+750, Type +                                  | 69+750              | Pyntreikam, Junction imbyn bha kum ka Standard jong ka Road Safety jong ki State Highways |
| 7   | Umsiang Maiong    | Ka Dorbar ka trei bha, ka donkam ban pyntreikam ka Scheme | Ban imbyn ka Junction ha Umsiang Mawpdeng Village @ Ch 76+545, Type +                                               | 76+545              | Pyntreikam, Junction imbyn bha kum ka Standard jong ka Road Safety jong ki State Highways |

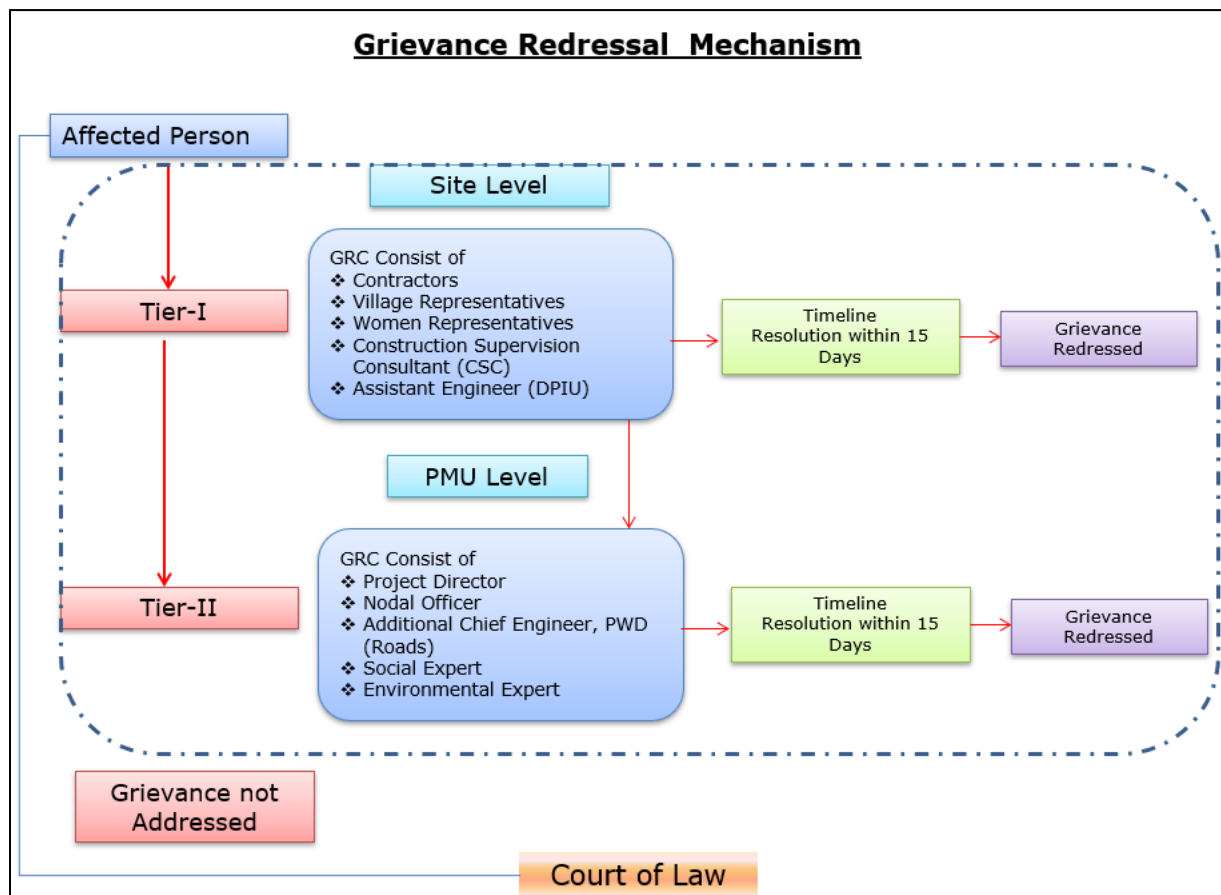
|    |                                                                                      |                                                                 |                                                                                |        |                                                                                                         |
|----|--------------------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------------------------|
| 8  | Umsiang<br>Mawpdeng                                                                  | Ka Dorbar ka trei bha,<br>ka donkam ban<br>pyntreikam ka Scheme | Ban imbyn ka Junction ha end point<br>khnang pyrkhat Umsiang PWD IB,<br>Type Y | 77+600 | Pyntreikam, Junction imbyn<br>bha kum ka Standard jong ka<br>Road Safety jong ki State<br>Highways      |
| 9  | Sonidan,<br>Mawalaho,<br>Kohradem,<br>Umlamphlang,<br>Umlaper,<br>Umtraï,<br>Umsiang | Ka Dorbar ka trei bha,<br>ka donkam ban<br>pyntreikam ka Scheme | Ki No Speed Calmer ha ki bynta<br>critical                                     | -      | Pyntreikam, Speed Calmer la<br>pyntrei kum ka Standard jong<br>ka Road Safety jong ki State<br>Highways |
| 10 | Sonidan,<br>Mawalaho,<br>Kohradem,<br>Umlamphlang,<br>Umlaper,<br>Umtraï,<br>Umsiang | Ka Dorbar ka trei bha,<br>ka donkam ban<br>pyntreikam ka Scheme | Ki No Chevrons ha ki bynta critical                                            | -      | Pyntreikam, Chevrons la<br>pyntrei kum ka Standard jong<br>ka Road Safety jong ki State<br>Highways     |

### Ka Jingpynshong Grievance Redressal (GRM) – Flowchart

Ka flowchart kane ka pyni ia ka two-tier grievance redressal mechanism bad ki duty bad ka por ba donkam ban pynbha.

| Tier | Level              | Responsibility / Ka Jingiaid                                        | Timeline / Ka Por             | Next Step / Ka Jingpynsuk                 |
|------|--------------------|---------------------------------------------------------------------|-------------------------------|-------------------------------------------|
| I    | Project Site Level | Ki VECs & U Headman                                                 | Pynbha ka jingthmu ha 15 sngi | Lada kam pynbha → Pynsuk ha PMU (Tier II) |
| II   | State Level (PMU)  | Secretary Planning, Chief Engineer, Project Director, Social Expert | Pynbha ka jingthmu ha 15 sngi | -                                         |

### Ka Ri Khasi Ban Pynphai ia ki Jingeh



### Ka Kyntien Contact ban Pynshai bad Pynbha ki Jingthmu (Grievances)

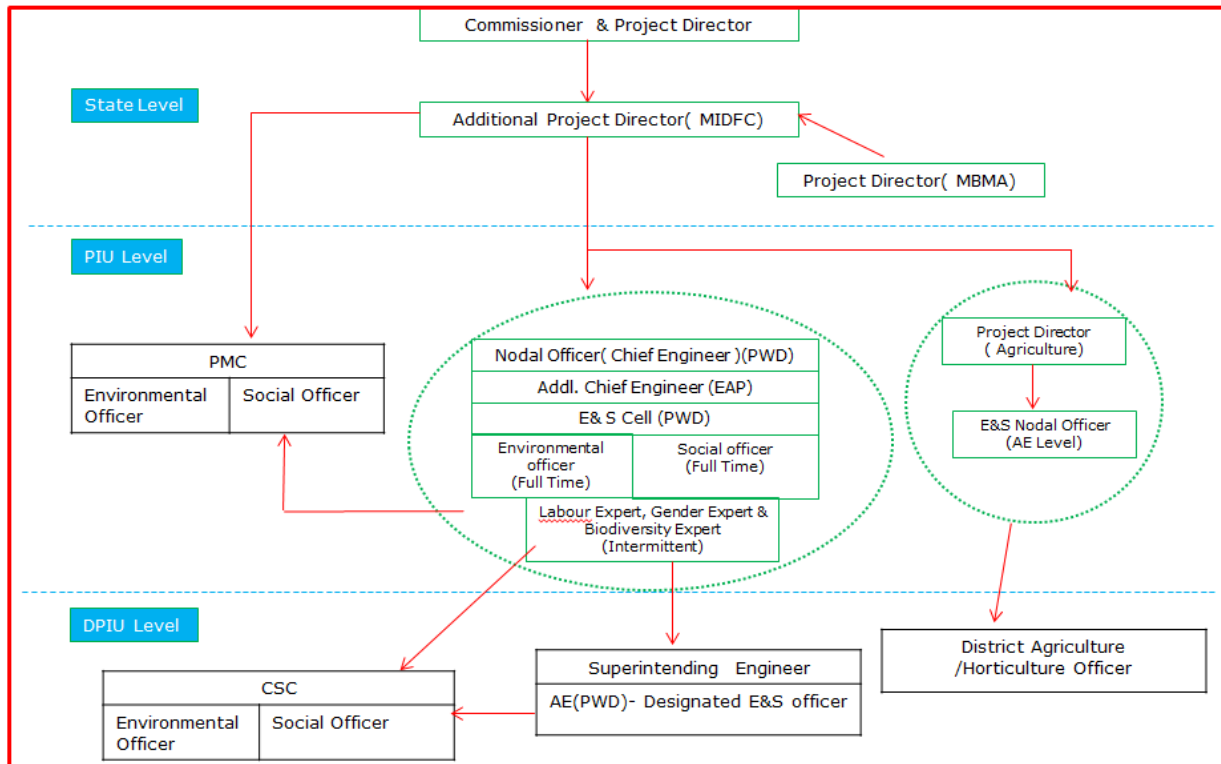
| Ka Jingdonkam / Description | Ki Kyntien Contact / Contact Details                                                |
|-----------------------------|-------------------------------------------------------------------------------------|
| Company                     | PWD, Meghalaya                                                                      |
| To / Ki Donkam Ban Contact  | Chief Engineer-cum-Nodal Officer                                                    |
| Address / Ka Kyntien        | HV9P+GFJ, Lachumiere, Shillong, Meghalaya 793001                                    |
| E-mail / Ki Jingthoh E-mail | <a href="mailto:esmlcip@gmail.com">esmlcip@gmail.com</a>                            |
| Website / Ka Website        | <a href="http://megpwd.gov.in/contacts.html">http://megpwd.gov.in/contacts.html</a> |
| Telephone / Ka Telephone    | 0364-3572466                                                                        |
| Fax / Ka Fax                | -                                                                                   |

### Ka jingiaid jingiang bad ka jingtei jong ka rukom treikam paidbah jong ka Project

Ka rukom pyntreikam ia ka project kan jingiaidei bad ka jingtei treikam paidbah kaba don mynta jong ka Sorkar Meghalaya (GoM), bad kan kynthup ruh ia ki kyndon jong ka Sixth Schedule na bynta ka jingiala jingiaid jong ki jaidbynriew riwulum. Ka MIDFC, kaba don ka jingkitkhlieh ban pyniaid ia ka project baroh kawei bad ban pynioh jingiarap pisa, kan long ka project holder bad ka lead implementing agency. Ka MPWD kan peit ia ki kam civil works (ki surok, ki jingiakreh jingiaid wah/bridge bad ki ropeway), katba ka Department of Agriculture (DoA) bad ka MBMA kin pyntreikam ia ki bynta agrologistics bad ki bynta jingiasim bynta paidbah (community components).

Ka MIDFC-PMU kan peit ia ka jingiaid jingiang jong ka project baroh kawei bad ka jingiahap jingiaidei hapteng ki tnat treikam lyngba ki ophisar kiba la nang bad kiba don jingiarap jingiap jingioh ha ki rukom treikam jong ka World Bank. Ka PMC, ka kynhun ki riwstad bad ki consultant ba la ialam da u Team Leader, kan ai jingiarap jingiatechnical na bynta ki kam project kiba palat ia ka jingiap jingioh jong ki tnat pyntreikam. Ka CSC kan ai ia ka jingiapeit bad jingiap jingiaid ia ka jingiatei (construction supervision).

Nangta shuh shuh, ka PMC/CSC kin iarap ha ka jingialum jingiatip bad jingithoh jingiakynthup ia ki jingiatip baroh. Ka rukom pyntreikam ia ka project la pyni ha ka Figure kaba bud.



## Ka Organogram Ka Jingpyniaid Ka Project

### Ka jingkut bad ki jinglap kongsan jong ka ESIA ki long kumne harum:

- Ka project ba la tyrwa kan pynsuk ia ka jingiaid jingtieng jong ki kali bad kan pynlong ia ka jingiaid lynti kaba shngaiñ bad kaba iaaid beit na bynta ki kali bad ki paidbah paidbah. Ka jingpynbha ia ka surok ba la tyrwa kan pynhiar ia ka por jingiaid na ka bynta kaba jngai tam jong ka surok sha ka iew kaba marjan na kawei ka kynta sha tang 30 minit. Kane ka project ka long kaba donkam eh ban pynkhlañ ia ka jingiaithied jingiadie bad ki kam jingiap kam (kynthup ia ka transport paidbah) ha ka distrik Ri Bhoi.
- Ka jingiakheñ ia ki jingktah mariang bad jingiap paidbah la leh katkum ka World Bank Environmental and Social Framework (ESF) bad ki aiñ jong ka Ri bad ka Jylla. Baroh ki jingktah ba lah ban mih la ithuh katkum ki bynta shuwa ka jingiatei, ha ka por jingiatei bad hadien (operation phase).
- Ka project ba la tyrwa kam donkam ia ka Environmental Clearance lane Forest Clearance.
- Ka alignment jong ka project kam iaaid lyngba kano kano ka Wildlife Sanctuary, National Park, Biosphere Reserve lane Tiger Reserve.
- Ym shym la lap ia kano kano ka monument ba la jinglada da ka ASI hapoh 0.5 km na ka

jaka project.

- Kumba 17 tylli ki dieng kiba don hapoh ka Right of Way (RoW) ba la don lypa ha baroh ar liang jong ka surok kin donkam ban tynrah. Ban pynhiar ia ka jingktah ia ka mariang na ka jingtytnrah dieng, dei ban leh ia ka compensatory afforestation katkum ki kyndon bad ki jingiathuh jong ki aiñ mariang.
- La pynlong ia ki jingiäkren bad ki stakeholder ban tip ia ka jingmut jong ki paidbah shaphang ka project ba la tyrwa. Ka jingmih na kine ki jingiäkren ka pyni ba ki paidbah ki kyrshan ia ka project namar kan pynbha ia ka jinglong jong ka surok bad ka jingiadei. Hynrei, ki paidbah ki la pynpaw ruh ia ka jingdonkam ia ki lad jingiada jingiäid surok; ki road furniture (kynthup ia ki streetlight, signage, speed breaker bad kiwei kiwei) bad ka jingiäp jingiöh jingiäp pisa kaba hok na bynta ka jingduh ia ki mar shnong jong ki.
- Ki lad jingiada ia ka koit ka khiah bad ka jingshngaiñ ha ka kam (occupational health and safety) na bynta ki nongtrei bad ki paidbah shnong dei ban pynthikna lyngba ka jingiäthmu bad jingiäp jingiäid ia ka Labour Management Plan (LMP), katkum ka World Bank Environmental and Social Standard ESS2 shaphang Labour and Working Conditions.
- Ka jingiäp jingiäid ia ki lad jingiada (mitigation measures) kan sa pynkhelaiñ shuh shuh lyngba ka prokram jingiäpeit mariang bad jingiäp paidbah ha ka por jingiätei bad operation ban pynthikna ba baroh ki lad jingiada la pyntreikam bad ban bishar la ka jinglong mariang bad jingiäp paidbah la pynneh ne la jingiada katkum ba la buh. Kane kan kynthup ia ki jingiöhi ha jaka bad shabar jaka, ka jingiäpeit ia ki kot ki sla, bad ki jingiäkren bad ki nongtrei bad ki nongmyntoi. Kino kino ki jingdonkam ia ka jingpynbeit (remedial action) yn pyntip da u contractor sha ka MPWD.
- Ka ESMP dei ban kynthup ha ki bidding document ryngkat bad ki kyndon contract kiba biang ban jingiada ia ka mariang bad ki jingktah jingiäp paidbah ha ka por jingiätei bad ha ka por operation (maintenance period).
- Yn thaw ia ka Grievance Redress Mechanism (GRM) ha ka kyrdan project bad ruh ha ka kyrdan construction ban pdiang ia ki jingai jingmut, jingiathuh bad jingiäin jingiäp jingiäp, lada don, na ki briew ba ktah, bad ban pynbeit ia ki ha ka por jingiätei bad operation.
- Ka ESMP ba la pynkhreh kan iarap ia u Contractor bad ka MPWD ban pynhiar ia ki jingktah mariang bad jingiäp paidbah bad ban ialam ia ki ha ka jingiäp jingiäid ia ka project ha ka rukom kaba sngewbha ia ka mariang.
- Ka kopi jong ka ESMP ba la pynthymmai dei ban buh manla ka por ha ka jaka jingiätei ha ka por construction. Katkum ki kyndon jong ka World Bank, ki safeguard document ba la pynkhreh dei ban pynpaw paidbah ha ka website jong ka World Bank.

## **Capacity Building and Training**

Ban pynkhlañ ïa ka jinglah ban pyntreikam bad ban peit ïa ka Environmental and Social Management Plan (ESMP), la ai jingmut ban pynlong ïa ki training ba la buh ryntih na bynta baroh ki nongtrei contractor bad ki nongtrei project. Kine ki training kin pynthikna ïa ka jingïap jingïaid katkum ki aiñ, kin pynroi ïa ka jingtip bad ka jingïaleh ïa ki jingeh mariang bad jingïap paidbah (E&S risks).

### **On-Boarding Phase**

#### **a. Induction Training**

\* Ka long kaba donkam eh na bynta baroh ki nongtrei shuwa ban sdang kam.

\* Ka kynthup ïa ka Contractor's Environmental and Social Management Plan (C-ESMP), ki aiñ mariang, jingïap paidbah, ka koit ka khiah bad ka jingshngaiñ (ESHS) jong ka ri bad ka pyrthei, bad ki jingïap jingïaid ba bha.

#### **b. Specialized Training**

\* Training ba la pynkhreh kyrpang na bynta ki nongtrei kiba don bynta kyrpang (kum u environmental officer, safety officer, waste management supervisor).

\* La ai ha ka por mobilization ban pynthikna ba ki nongtrei ki la biang ban shim ïa ki kam ba la bynta ha ki.

### **Implementation Phase**

\* Toolbox Talks ba bteng:

La pynlong manla ka sngi lane manla ka taiew ban peit ïa ki jingeh ba dang mih, ban pynkhlañ ïa ki lad jingshngaiñ bad ban pynneh ïa ka jingïatip jingïalang hapdeng ki nongtrei.

\* Supplemental Training:

La ai hadien kino kino ki jingjia lane haba lap ïa ki jingeh thymmai. Ka thmu ban khanglad ïa ka jingjia biang bad ban pynthikna ba ki nongtrei ki nang jingïap jingïaid bad ki kyndon thymmai.

\* Routine Quarterly Training:

\* La pynlong da u contractor manla ka lai bnai ban:

o bishar ïa ka jingïap jingïaid E&S bad ka jingkieu jingïaid;

o iasam ia ki jinghikai ba la ioh na ka bynta kaba la dep;

o thaw ia ki jingiaithmu ban pynbeit ia ki jingduna lane ki jingeh;

o pynthikna ia ka jingiaidei bad ki thmu E&S jong ka sub-project bad ban pynroi jingiap jingiaid ba bteng.

#### Outcomes of the Stakeholders

Ka FPIC process na bynta ka Umsning–Jagi Road la pynlong ha ki lai bynta, ban pynthikna ia ka jingiashim bynta laitluid, shuwa bad jingiaithuh paidbah (free, prior and informed) jong baroh ki shnong ba ktah.

Ha FPIC–I, ki shnong ki la pynpaw ia ki jingeh shaphang ka jingkynriah jaka, ki jingktah ia ka jingiap kam, ka drainage, ka jingshngaiñ jong ki slope bad ki jingiap jingioh paidbah. Ka kynhun project ka la batai ba ka jingiatei kan jingiaid paidbah hapoh ka RoW ba la don lypa, ba kano kano ka jingdonkam jaka kan bud ia ki aiñ bad jingiap pisa kaba hok, bad la mynjur ban kynthup ia ki lad ba ki shnong ki pan kum ki drain, footpath, bus shed bad ki jingiaida jingiatei (retaining structures).

Ha FPIC–II, ka transact walk ka la ai lad ia ki shnong ban ithuh ia ki jaka ba kyrpang na bynta ki stand shed, ka subway ba la tyrwa, ki jaka jingiaida slope bad jingiaida hajan ki tyllong um. Ka kynhun DPR bad ESIA ka la kular ban bishar ia kine ki jaka, ban kynthup ia ki jingpan ba lah ban leh ha ka design, ban jingiaida ia ki tyllong um bad ban thmu ia ka jingbret muk (muck disposal) kaba shngaiñ katkum ka ESMP. La pynkhreh kyrpang ia ki jingiakren bad ki kynthei bad ki samla ban pynthikna ia ka jingiashim bynta lang.

Ha FPIC–III, ki shnong ki la bishar ia ki design ba khatduh, ki la pynskhem biang ia ka jingiamynjur bad ki la pan shuh shuh ia ki lad jingshngaiñ kum ki streetlight, drainage bad ki breast wall. Ym don jingiap jingiaid. La thoh bad la buh ia ka consent ha ka rukom paidbah, bad ka kynhun project ka la pynthikna ba baroh ki jingiatei paidbah, ki lad jingiaida bad ki safeguard ba la mynjur kin don ha ka DPR bad ESMP ba khatduh. Ka jingiaid FPIC ka la kut da ka jingiasngewthuh lang shaphang ka jingiaidei paidbah, ka jingipynpaw ia ki document bad ka jingiapeit beit ha ka por jingiatei.

#### **Resettlement Action Plan (RAP)**

Katkum ka Resettlement Policy Framework (RPF), ka project kan shim ia ki lad ban kiar bad ban pynhiar ia ki jingktah jingiap paidbah lyngba ka design kaba jingiap jingiaid bad ka jingipyndonkam ia ka RoW ba la don lypa.

Ki jingiakren bad ki paidbah kin bteng, bad ka GRM kaba treikam bha kan pynthikna ia ka jingpynbeit kloi ia ki jingeh. Baroh ki jingiap jingioh (entitlements) yn ai katkum ka RPF.

Katkum ki jingktah ba la ithuh na bynta kane ka bynta surok, yn pynkhreh ia ka site-specific Resettlement Action Plan (RAP) kaba bniah, kaba ban pynpaw ia ki jingiap jingioh ba khatduh, ki lad jingiada, ki rukom pyntreikam bad ka framework jingiapeit, bad kane yn pyntreikam shuwa ban sdang ia ki kam civil works.