

## **“... KEIIN MEIHAWL KA RAWH ANG”**

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Hna hniam leh mawlmang bera lang te hi a hlawkzia kan hriat loh vang te, a thawh dan (technique) kan thiam tawk loh vang te hian kan ngainep mai \hin niin a lang. Kei pawh Sorkarin min chhawr duh chin a tawp ve \ep tawh a. Kan hmaa mihuai kal tate: Pu Chhuanawma, Pu Lalzabiaka, Pu H. Thangmawia leh midangte hnung ka zui hun a hnai ve ta hle mai. Chutih hunah chuan anni leh mi ropui tak takte anga huan nuam taka, hna \ul vang ni lova feh leh intihhlimte chu duh ve mah ila, huan pawh nei lo na pui chuan mi huana intihhlim chu rualawh thlak mai mai nia ka ngaih dawn avangin an tih dan ang lo takin ka inhmeh zawng tak tur meihawl rawh ka thlang ta zawk a ni.

Industry atanga thil siam chhuah reng rengte hi midangte siam aia \hat bik riauna nei a nih loh chuan Economic Laws \henkhat; Law of Supply & Law of Demand te, Law of Diminishing Returns leh Law of Diminishing Utility-te hi a thleng dik vek \hin. Thilsiam chhuah inangah chuan chhungkhat laina, \hian leh hmelhriat nei tam te an dingchang chawk a. Chu bakah, dawrtu leh dawr \han bik (regular customers)-in awmzia a nei hle bawk.

Chuvangin, ka meihawl rawh dan tur chu changkang danglam bik tak, scientific method hmangin a ni dawn a. Miin a \hatzia an hriat chian hunah chuan meihawl dang reng reng chu ka meihawl chuan a luahlan vek dawn a ni. Chu chuan demand a tisang em em dawn a; supply tur ka indaih dawn loh avangin advance booking leh online booking tih theihna turin portal siam a \ul ang a. Chu hna thawk tur chuan computer operator thiam tak rawih tur ka mamawh nghal dawn a. Tunah pawh hian lo dil lawk pawh a sual kher lovang. Ka unit hming tur pawh ka hual sa reng tawh a; mahse, kei aia fing zawkten min lo put khalh ka hlauh avangin ka zep rih ang.

Mizoram hi Tropic of Cancer-in a tan tlang a. A lum leh vawh dan pawh duhthusam a ni. Thlasik lai, a bik takin October thla chawhnu lam a\anga February thla chawhma lam thleng hian, meilum ai tur atan leh eirawng bawlina atan meihawl chhem hi chhungkaw tin tihdan phung ve reng a ni a, Thingpui Dawr, Hotel leh Restaurant-te, Kawngkama ei leh in tur zuarte phei chuan kumtluanin an hmang nghe nghe a ni. The Statistical Handbook, 2014-in a tarlan dan chuan phalna nei lova meihawl zawrh, Aizawl kawtchhuaha an man zat chu; kum 2012-13 ah khan 12370 Metric Tonnes leh kum 2013-14-ah 10798 Metric Tonnes a ni. Champhai District hi meihawl atana duhthusam, thing \ha chi la tamna ber a nih avangin hetiangna dan lova meihawl zawrh an man tam ber hi Champhai District a\anga thawh chhuah a ni.

A chung a kan sawi tak te a\anga ngaihuat theih chu Aizawl kawtchhuaha an lo man te hi Champhai leh Aizawl inkar kawng dung khaw tina man ve loh, an zawrh leh hralh takte nena khaikhin ralah chuan beitham tak a ni ang tih hi a ni. Chuvangin, Champhai khaw chhung leh district huam chhung bakah, Aizawl kawng lama an thehthang tak te hi Metric Tonne engzat chiah nge ni ang tih chu chhut chhuah harsa tak a ni ang.

Engle khawle, Aizawl khawpui-ah hian kum 2011 chhiarpui ah khan Urban Development & Poverty Alleviation record, Statistical Handbook, 2016 –a chhuah angin mihring 3,14,754 kan awm a. Chumi zinga 69,383-te chu 2010 survey angin BPL member an ni a, BPL member ni lo mi 2,45,371 an awm. Heng zinga 20% hi mi khawsa thei bik, electric meilum (air conditioner) nei phak chinah lo dah ta ila, a la bang 1,96,296 te hi meihawl mamawh turah kan ngai thei ang. Chhungkaw khatah member 5 zel awm anga chawh rualin Aizawl khaw chhunga meihawl mamawhtute chu chhungkaw 39,250 zet an ni ang. Chutiang zat chungkua chuan a chung a kan sawi tak, khaw vawh zual chhung hian a tlem thei anga chhutin, meihawl quintal 2 hmangral \heuh angin ngai ta ila, Aizawl Town chauhvin meihawl a hmanral zat hi quintal 78,500 a tling thei a. Meihawl Kg khat Rs. 10 zelin lo hralh ta ila, Kum khat chhunga meihawl mana kan senral zat chu Rs. 78,50,000/- (Rs. 78.50 lakh) a tling pha daih a ni. Kumtluana hmang chi – Hotel, Thingpui Dawr, Restaurant leh Wayside Cafe-te chhiar tel phei chuan Meihawl rawh hi eizawna tlak tak a ni ngei tih hi rinhlelh rual a ni lo. Amaherawhchu, Sorkar dan ding lai bawhchhe miah lovin phalna (royalty) mumal tak nei thlapin rawh tur a ni. Scientific Method hmanga meihawl rawh hi Environment & Forest Department rilrem zawng tak pawh a ni ngei ang. Thing lian pui pui a ngai lova; thing\ang te te pawh rawh theih vek a ni. Scientific method chu hetiang hi a ni:

Meihawl thuk kumhlun (charcoal kiln) siam dan:

### **I. A hmun buatsaih dan**

(a) *Tih tur tulte*: Sq. feet 9-a zauvin hmun ruak, awih hlekin (100:2) cement tur a ni. Meihawl tur thing dahkhawmna leh meihawl chhekna hmun ruahman lawk a tha.

(b) *Thuk (Kiln) sak dan*:

- A chhuat zawl kil khatah, a sir hnihte nekin, a hma lamah chet velna tur zuah tam bikin, dome ang deuh, in chung mum pul chi ang hian, a bul\hut 2 metres (diameter) hawlhtlangin brick rem kual tur a ni. A kawngka atan 1.5ft (feet khat leh a chanve) a zau zuah awlin chu chu 1 metre chena a bang rem hunah a kawngka chunglam chu rem phui tur a ni. A chhuat awih deuh hleka a hniam lam leh brick bang intawhna laiah khan 4mm pipe bung, a chhuat leh bang insikna laia kaw tlang turin rem hnan tur. A ni khatna-ah chuan 65cm a sang rem hunah

chawhlsan rih ila. Ni khatah brick bang sang deuh rem hi kalsan hnu lawkah a chim duh viau a ni. Zan lamah cement te chu lo khawngin a lo sak hman dawn a ni.

- A bang 65cm-a sangah chuan tukverh (ventilation) atan brick bung leng tawkin kua paruk, a inkar khat dan intluk \hapiin siam tur a ni a. A kawngka bul hnaiah tukverh pahnih a awm a ngai tihna a nih chu. Tichuan, a chung lama awn hret hret zelin 130 cm-a sang rem hunah chawhlsan leh rih tur a ni.
- 130 cm. dawtah chuan tukverh tur, a khat dan inang \hapiin 4 (pali) siam leh tur a ni. Chumi hnuah chuan a bang chu thuk lai tak (centre) lamah a awn lut hret hret tur a ni a. A \ul chuan a inchhung lam a \angin a dotu pawh hngang tahin siam mai tur a ni. A bang san lam 2.10 m vel tura ruahman lawkin a bang rem awn dan tur chu a hriat theih ang. Tichuan, a chungah 30 cm (feet khat) vela zauvin kaw bial siam tur a ni a, rem phui vek loh tur tihna a nih chu.
- A kawngkapui leh a chung kua kharna tur thir (rangva chhah) kawngkhar buatsaih tur a ni. A khat tawka, a bang chirhdiaka zut \hin a \ha, chu chuan boruak kaltlang theihna a ven bakah a thuk a vawng dai hma bik a ni.

(c) *Meihawl tur thing tan dan leh rem dan:*

- Thing chu inchen \hapiin metre 1-a seiin tan tur a ni.
- Thing tan tawhte chu a kawngka ep bang nghengin tun \hap tur.
- Thing tun tawhte chungah a chhawngin tun thua (chherchhuan) tur a ni a. Metre khat tling lote chu bang ngheng hmasa-ah hman tur a ni.
- 4mm pipe bung kan rem hnan kha pipe dangin zawm ila, a hmawrah Plastic burin emaw, a remchang apiangin wood vinegar luang chhuak tur kha lo dawh tur a ni.
- Thuk khata kan rem hnuah a kawngkapui chu thir kawngkhar chuan khar hmiah tur a ni a, a tukverh zawng zawng pawh khar tur a ni.
- A chung kuaah chuan meipui chheh tan tawh tur.
- Kan mei chhem chuan thing remkhawmte chu a mut tih hriat chian hunah a tukverh chung zawk palite chu hawng ila, a chung chu phui takin khar thung tur a ni. Tichuan, ni hnih nghah a ngai.
- Ni hnih hnuah a tukverh chung zawk palite chu kharin, a tukverh hnuai zawk parukte chu hawn vet thung tur a ni. Ni hnih dang nghah leh phawt tur a ni.
- Chumi hnuah a tukverh zawng zawngte chu boruak kal tlang theih loh turin phui takin khar vek ila, ni thum tal nghah leh tur a ni. A kawngka hawn hmain a thuk bang chu a dai tawh em tih chian hmasak a ngai.

*Chhinchhiah tur:* A thuk a daih chian hma emaw, meihawl chu a la mut reng a nih chuan a kawngka hawn ruala oxygen tleh lut chuan kangmei a tichhuak nghal ang a; kan

meihawl rawhsa chu kang ralin, kan thawhrimna zawng zawng chu mumang ngeiawm takah a lo chang daih ang. Hetianga tih palh a lo awm hlauh a nih pawhin, a kawngkapui khar leh nghal hmiah ila, a chung kua a\angin tui leh kual mai tur a ni. Meihawl lak chhuah hunah pho ro leh mai tur. Mahse, kan meihawl erawh chuan duhthu a sam tawh kher lovang.

Hetianga scientific method hmanga meihawl rawh hi rawh hmaa thing ang tiat tho khan meihawlah a lo chang a, a kawr zawng zawngte pawh a riral chuang lo. A rihna hloh leh a rawng inthlak chauh lo chu danglamna a awm lova; khawih pawhin a mang ve lo. Thing ang thovin a la alh thei a, a hnu-ah meihawl pangngai angin a vam leh tho bawk a, a khu ve tawh miah lo thung a ni. Chuvangin, meihawl rawh dan pangngaia kan rawh \hin aiin a hrisel zawkin air pollution a siam ve lova, Damdawiah in te, office-ah te pawh hman a remchang bik em em a ni. Chubakah, a pack-na tur saiip (buara) a ngai ve lova, a leitute duh zat chu a Kg-in buara hruia phuar emaw hnanga hmerh hmiah hmiah theih a ni. Hengte bakah hian Wood Vinegar a siam chhuah hi man to tak a la ni bawk a, a hralh a nawm em avangin bazara zawrh chhuah tham pawh siam chhuak an la awm lo hial a ni.

Industry Meichher

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