

মহাশিক্ষার্থীদের জন্য
১ম, ২য় ও ৩য় সপ্তাহের
২য় ও ৩য় সপ্তাহের
শিক্ষার্থীদের জন্য



আবু হান্নান মন্ডল
I
১৯৯৫-১৯৯৬
২০১৪-২০১৫



শিক্ষার্থীদের জন্য
১৩ নং বিদ্যালয়
খসড়া-১০০০

**McÜZšxewj ɸ` k miKvi
w`yr, Ryj vbxI LwR mɸú` gšYj q
Ryj vbxI LwR mɸc` wfvM
ewj ɸ` k fZwĚK Rwc Aw` Bi**

**Aw` Bti mswB KhweiYx
I
ewR ewi 1/4bm Ab`b` Khag
2014-2015**

cwKí bvI ev eqb kvL

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fɔKv

esj ɸ`k fZwĚK Rvċ Aw`Bi (wRGme) ɸ`k LwR mċ` AbyŮb, Aw`ai, gj`qY I fZĚi wġqK Mġlyv cŵPj bvi `wqZcĚ miKvixcĚŌb | ɸ`k LwR mċ` AbyŮb I gj`qŷbi KŵR ɸRvi `vi Kivi jɸ` wRGme wvfbce ngɸq Dbqb cĤi ev`eqb KɸiɸQ Ges KɸiɸQ | dj kĚZɸZ wġRcy ɸRj vi ga`cvoq Kŵb wj v m Rgvj MĀ-KPgv, wġRcy ɸRj vi eocKzqv I wNxcvoq Ges iscŷ ɸRj vi Lj vncxi DbZgvbi Kg nŷdvihy MŮqvbv Kqv Aw`Z nɸqɸQ | G Qov ɸ`ki wvfbce ɸb wU Kqv Kŵewj, m`gwŮ, wgv ewj, bycv_i, fviXLwR m Ab`b` LwRnga Aw`Z nɸqɸQ | Aw`Bti wɸ`kx cĚYym `ŷ Rbkw Mŷo ɸZyv nɸqɸQ Ges Mġlyv KɸRi chŷ mġawm AbRkxkŷ wjw`v I gwKw`v `eɸkŷK imqb, cĤKŷj fZwĚK, f;c`wŪ, wAvBm, cjj I Kv vgwK wġqK MġlyvMingn iɸqɸQ |

gnvcŵPj K cĚb wġxwmtġ Aw`Bti mKj Khŷg cŵPj bvI wqŷY Kɸib | ZɸK mŷZvKivi Rb` Acɸikb I ngŷŷ Ges cŵKıbvI ev`eqb `ŷw kLm `ŷRb Dc-gnvcŵPj K/`ŷw KwMxwfvM(Dc-gnvcŵPj ɸKi c` `ŷ cıɸYi Rb` cĚqxab `wq KɸRi mġaw`ŷ Rb cŵPj K wfvMq cĚbi `wqZıcy b KɸiɸQ) Gi Aaxb ɸgU 19w kLviɸqɸQ |

Aw`Bti cŵPZ I ghv

wRGme GKŵ `eÁwbK Mġlyvj K miKvixcĚŌb | G Aw`Bti cĚŌwbK KɸRi avI KgRŮ miKŷi Ab`b` cĚŌb nɸZ wQVv`Zugagŷ GLŷb fÁwbK I KwMı KgRZŷw mi mı ewisb ɸ`k Z`-DcĚ msMġ Ges Rvċ KŵR ngavKıi msMxZ bgvMġlyvMı wɸkɸYi ga`g j ä KŵR cĚte`b Aŷı cĤk Kɸib |

G cĚŌbı Hzn`I AɸK cyZb | 1851 nɸb ZrKwjb ewk kwbvɸj fviZi cŵgeɸ½ Kj KZvq mi mı ewkivRi Aaxb fviZx fZwĚK Rvċ wfvMcĚŌvj v Kɸi | 1947 mɸj ɸ`k wfvM ci ɸK`xı miKŷi Aaxb ɸKvqUq cŵK`Zb fZwĚK Rvċ wfvM m`i `Bi `wZ nq Ges XkKq ceŷj xı kLVAwlm `wZ nq | 1971 nɸb `waxZvj ɸfi ci ZrKj b ceŷj i Awlɸni 50 Rb KgRZŷw wRGme hŷvii` Kɸi Ges cieZŷ AvI 37 Rb KgRZŷwK`Zb ɸ`k Gım G Awlɸm ɸw b Kɸib Ges 1977 mɸj 22 Rb KgRZŷw Aw`Bi ɸŷo wɸ`k cŵ Rgv | 1972 mɸj i 10B bɸfɸ gŷwıɸi GKŵ wvŷŷi ga`g MġZŷx esj ɸ`k miKvi XkKq AwZ AvjK G AwlɸmK wɸkı Ab`b` ɸ`ki gZ GKŵ RvZx fZwĚK cĚŌb wmtġ Mvi jɸ` ɸZj Mv e`ZZ meŷıvi LwR nŷı i AbyŮb msKŷ fZwĚK DcĚ msMġ, cıŷıv cĚ nŷı i gj`qb I Z` mieıv Kivi gj` wqZıAcŷ Kɸi | 1980 mɸj i ɸg gıvM Aw`Bi wɸk GKŵ `vıxmi KvixcĚŌb wmtġ ɸNıYvKıvq |

1980 mɸj 2q I 3q cÁewRx cŵKıbvı AvZv 4,251 j ŷ Uŷı ŌLwR nŷı i Zvr AbyŮb I esj ɸ`k fZwĚK Rvċ Aw`Bti AvıwKıYŌkŷ 10 ermi ɸgvx cĤıı AvZv wRGmeɸZ bZb Rbej wɸqMKıvq Ges G cĤıı AvZv Xkv e,ov PŷMġ Ges LybZ wRGme-i AvjK AwlmcĚŌvi jɸ` Rgv μq Kıvq Ges e,ov AvjK Awlɸni AeKwıgv`ZıxKıvq | 1991 mɸj cĤıı mɸj `RbKfŷe ngv nɸj cĤıı Rbej I Ab`b` gj`gv wRGme Gi ivR`LŷZ `bvŷwZ nq |

`wqZı Kŷhŷj x

ɸ`ki LwR mċ` i AbyŮb I Aw`ai; AeKwıgvı cĤKŷj MZ Dbqb; bM cŵKıbvı cĚKıZK I gbe-nŷ `ɸwM ɸgvKŷj v Ges cŵkġ I cŵb nŷı` mı ŷıı Dıı ɸk` G Aw`Bi fZwĚK, f;c`wŪ, f;ıvıwıwK f-cĤKŷj I Lbb Khŷg cŵPj bvKıi `ŷK | GQov ngvRK mġR Dbqbı jɸ` fŷÁbı wvfbokLq w`wıZ Mġlyv cŵPj bvI cĚY cĚb Kıi `ŷK | wRGme ɸme `wqZıwqZ cy b Kıi Zı weiY wɸP ɸ`qvnɸj v |

- esj ɸ`ki fZwĚK, fMwK, f;c`wŪ gubŷı I cĚte`b cŵqb I cĤkvb |
- esj ɸ`ki fMwK Kŷıvı wj v`ı mıŷ-Z` msMġ; wvfbokj v`ıı eqm I cı`cŵK mġcŷıvŷ Ges GZ` mıŷ-MġlyvcŵPj bv |
- fZwĚK, f;c`wŪ gubŷııı dj kĚZɸZ LwR, cĤKŷj wj v Ges fM` cŵbı mŷb cĚ I mġbvıg Gı wq wġ` fZwĚK, f;c`wŪ, f;ıvıwıwK AbyŮb Ges Lbıı ga`g LwR mċ` i Ae`b I mġe` gRı wıŷ |

Aw`Bi cÖb

Aw`Bi cÖb t W wiry ingb Lb, gncwPj K

`wqZt

Aw`Bi Gi mweR cÖbK I KwMx KvRi Z`viK I cwPj bwn wfböaitbi Dbqbgj K cÖingni ZËjavq| †iki mweR Dbqfb wïkl Kti LbR nru` I fyeAb nsmvš-wfböelq nru`Z D`P chqi mfungyn thM b ceR cÖRbxq gZgZ/cigkni KviK cÖb|

Aw`Bi cÖb ni nni wqšYab Khag

klvt -iZË;I Rxe-iZË;

(Brancht Stratigraphy and Biostratigraphy)

`wqZi Khejt

fZwëK Rwc I LbR nrc† i AbnÜb Ges gj`qY Khag mVK w† Rbv`vbi j††` -iZË;I Rxe-iZË;klv cyj K wjv`†i †kbæb`vm †kbæb`wvZ -ingni gta` cvi`cwK nrcK`baY I ngšq mab, †i w`gub RævYn`Üx Z` wïkl†Yi gva`tg wjv`†i MbKjxb fZwëK cwtek D`Nub I eqm waY nru` chqY I Melyv Khag cwPj bv Kti | wfböfZwëK j`††` i cwgv, wjv`†i weiY`b, bgvmsM, fZwëK gvbW†v†i e`eni thM wjv`†i Yæb`vm I Z†` i bgKiY, -ingni bgKi†Yi gta` ngšq mab I mVK bgKib nru` wvš`b, -ingni nZ msMxZ bgvnsi Y cÖZ †gšY K Khag cwPj bv GB klvi`wqZi RævYn`vmsvš-AvabK hš; chq I wïklÁ nru`Y MelyMi cwPj bv G klvi`wqZi GKW gj`wK | Melygj`K KgnPngn I Z†` i Melyj ä Z` I Dcë nru`Y djv†j i Dci cÖZ cÖte`bngn hvBceR cÖË ng†qi gta` wfmq cÖb ni gva`tg gncwPj K g†nv`q ng†c †ckKiY|

klvcöbt Rbe Gm Gg, nwey ingb, cwPj K (fZË) |

tj vKejt

1. Rbe AvngvnK, Dc-cwPj K (fZË) |
2. KRxgbnjvA LZvi, mnKvixcwPj K (fZË) |
3. Rbe wq`v†Rngb nK, mnKvixcwPj K (fZË) (LÜKjxb) |

,i`ZcY Ae`b t

- †Kv:-y cÖ†i i Av Zvq Ó AvbKbnj†WUW†Kv:-y †mWigU Gi †dvi†gwb†di vÓ klR cÖte`b vRGmeÜ WUv†mU†i Rgv†`qvnq|
- †Kv:-y cÖ†i i Av Zvq Ó †bvqLvjx †Mcyj MÄ Gi wQybgvi c`wj†bv†j vRK`y wïkl†YÓ klR cÖte`b vRGmeÜ WUv†mU†i Rgv†`qvnq|

2014-2015 A_ern†i KgnP

KgnP-1 t -iZË;I Rxe-iZË;klvi MelyMi i Dbqbi j††` XkvgnbMxi wfböastk (wïkl f†e †eUwbK`y I ejavM†W) c†j b Gi óÜWöghv`vWcÖZKiY (chq-2) |

KgnP-2 t XkvgnbMxi Avkcv†ki wfböej Kvi (Avgevrvi, KvPcy I †KivbMÄ) n†j wub c†j†j i c`wj†bv†j vRK`y wïkl†Y (chq-1) |

KgnP-3 t Ljvbi evwqPv`vwej Gi n†j wub c†j†j i c`wj†bv†j vRK`y wïkl†Y (chq-2) |

D††k`†

fZwëK cwtek wbb†qi Rb`†`vni-c†j†bi e`eni n†`Q| Gi gva`tg cÖc`cwtek I MYKjxb cwtek AvZ m†RB wbb† Kiv hq| c`vZMf†e c†j†bi bgvmsM Ges cwqRvZKiY Kti XkvgnbMxi I Ljvbi evwqPv`vwej Gi n†j wub c†j†j eZg†b DcwZ c†j†bi e`vb I w`v wbb† KivGes óÜ`Wc†j b`vWcÖZ KiB GB KgnPng†ni D††k`†|

MelYvntj ngn
Av_KvtqK MelYvntj
(Earthquake Research Cell)

mrcCZ esj v`k Avenl qv Aw`Bi ðumtgvj wRK`y mwf`nm Gi Dbqbó kxlR cñti Aaxb XKv iscy, wtj U Ges PUMG Gj vKv wvfbafK`ub gvcKhš; (Seismometer, Accelerometer) `vcb KtiIQ Ges Network I Radio Link Gi gva`tg Dti vZ fK`ub DcvE AÎ Aw`Bti I MÖY Kiv mrc nPQ | Piv Gj vKv fK`ub gvcK hš;nga `vctbi Kvib eo gvbi fK`ub mstM tQU gvbi fK`ub Ges G fK`ub Gw`mUvi (Epi Centre), Drimi MxiZv (Depth of the Source), fK`ub gvb (Earthquake Magnitude) BZ`w Rbv mrc nPQ | tekxi fM Qz`a gvbi fK`ub Gw`mUvi Ges Drm esj v`k AeWZ, hv fZwEK Kiv vYQ Kiv cñRb |

fK`ub Zt`i mnt` y vqvgU, j y vqZ Pz`m wvfbafZwZK I fc`wR Z` Rbv mrc | GB nkj Z` fvel`tZ enr `cbvi cvKibv iv`v I bM Dbqbi Rb` vqvgK Z` mnt` cvMbZ nZ cvi | GLvb Dti L` th, esj v`k Avenl qv Aw`Bti tKv fZÉje` I fz`v` bv`vKv, wvfbafZwEK I fc`wR MelYvi Rb` GB nkj DcvE AÎ Aw`Bti tCÖY Kiv nPQ | cÖ fK`ub DcvE msi QY, wtkiy, e`lv I gZvgZ cÖb GB fK`ub MelYvntj i gj`vqZ |

`vqZi Kvh`j x
cñRbx fK`ub Z` mstM Kiv Ges cÖ fK`ub Z` t`K mdUI qvii mnt` fK`ub gvb, Gw`mUvi I Drimi MxiZv vYQ Kiv cñRb GB dj vj Avenl qv Awl`mi dj vti i mstM hPB Kti tbi qv Qz`a enr fK`ub Drimi Ae`b Abhvx wvfbaf bog`c %w Kiv | fK`ub mrc fZwEK I fc`wR MelYv Kiv I cZte`b `Zv Kiv |

tnj cÖbt W G, tK, Gg tLvi`k` Ajg, cvPj K (fZÉ) (AvZw` vqZ) |

tj vKejt

1. kvLvcÖb, cvt`k fZÉ; I cÖKZK `hMGt`mint`gU (LÜKj x) |
2. kvLvcÖb, bM I cñKsj fZÉ; (LÜKj x) |
3. Rbv Av`vi`j Avmb, mKvix cvPj K (fZÉ) (LÜKj x) |

KwúDUvi I Z` cñv (AvBw) tnj
Computer and Information Technology (IT Cell)

vRGme-Gi f`%ÁvbK Kvr ngn, Z`-DcvE ngn KwúDUvi avb I wvfbaf`te`b `Zix `vbs Ges Ab`b` KvR (cñvmbK I f`%ÁvbK) kvLvgnt`K GB tnt`j i gva`tg mnt` Kiv nPQ `vK |

`vqZi Kvh`j x
Z`, DcvE ngn KwúDUvi Wvte`R msi QY, msi vZ Z` I tK`Z` c`KxiY Kti msi QY Kiv KwúDUvi tbi qv K`Ges Z` cñv i e`envi I vRGmeÜ KgRZ`KgPxi` i tUbs Gi e`v`MÖY Kiv mKvix t`emi Kiv m`vK IT vlt`q mnt` mthwZv Kiv |

tnj cÖbt Rbv tgv I qva`y`v, vmbqi fc`wR cñKsj x (Pj vZ `vqZ) (AvZw` vqZ) |

tj vKejt

1. W tgv kvgn`v, mKvix cvPj K (fZÉ) (LÜKj x) |

vRI mBY G`v qv`ibmGÜ tUbs tmUvi (vRGvva)
Geoscience Awareness and Training Centre (GATC)

`vqZi Kvh`j x
eZgb I fvel`r cñv tUKnB Dbqb (Sustainable Development) Gi `t`t`iki wÁvx cñvmbK KgRZ` cvKibv Kiv Qv`v`K, Rb cZvva - mgw`f`v Avvgi Rbvavi`yi gvS fveÁb I Gi Ae`b

(Geoscience and its Contributions) cöbi Ges tUKmB Ræb avib I Dbqabi j t f-wÁb wltq mPZbZv(Geoscience Awareness) ew Kiv f-wÁb wltq mPZbZvewi j t wqgZ cÜY, tmgbi, wtwRqg AvqRb, AvyK Z_ chyi mt_ f-wÁb i cwvZ I ngstqi j t KVKiY, t tki mavib bMik i gta f-wÁb wltq Av I mPZbZvewi j t v dtj UI tcv- vi wZib, Btj KUK I wÜ gwWqvi gwtg t tki RbM I AMgx chyb gS mPZbZvewi Kiy GB tmUti Dti k f-wÁb GKW evcK I Z cweZkxj Ges Agv i Ræb I Kj b mÚK wÁb dtj, GB evcK I Z cweZkxj wÁb mÚK f-wÁb i, Zvi i KgrÜi Dbzqbi hMchMchMI AwKzi mdj ev eqbi Dti k wqgZ cÜY Mÿ Kiv Acwv f-wÁb wltq mPZbZvewi Ges GZ sµš-wltq cÜY cöb Kiv AÍ Aw`Btii Õf-wÁb mPZbZvI cÜY tK (RGWm) - Geoscience Awareness and Training Centre (GATC) cöb wqzj GB kLvi gwtg f-wÁb i Qti i cÜY tKv AÍ Aw`Btii KgrÜ i IwtqUk tKv Kiv tQ

RGWm cöbt cwPj K I wfvMq cöb-2 (Avz v wqz) |

tj vKejt

1. teMg bwgv teMg, Dc-cwPj K (fZË) (LÜKj x) |
2. Rbe Avbqv m v gµš mtqg, mKvxcwPj K (fZË) (LÜKj x) |

wikl KgrÜ

esj t tki f-wÁbK Z_ vej xmsMÿ, nsKj b ev f-wÁbK ngmiv wltq ngq ngq wfbans v ev wfbogšYj tqi Pw v Abjvqx MelygK Kvr cwPj bvI mcbokvi Rb wikl KgrÜ Mÿ Kiv ntq vK dtj vZ Kvchj xmpz ev eqbi Rb Aw`Btii fZË; I f v wltq AvÁZv mcbod xZb f-wÁbM wikl KgrÜ Av Zv wltq wRZ vKb cöbK gšYj tqi Abjv bwtg wRme KZR MxZ wikl KtqKW i ZpYKgrÜ b g bP t qvntj v G A_ Qti Ri ixRb, iZpYKv KgrÜ cv tMj wikl KgrÜ Av Zv Zvev eqb Kiv t |

1) cii v gšYj tqi wikl chü United Nations Convention on Laws of the Seas (UNCLOS) t

esj t k miKvi 2001 mtj i 27 tk Rj v RwZmsN cÜZ ngy AvBb 1982 (UNCLOS-III) Abv i Kji Ges GiB avewmKZv esj t tki Dckj I mgwK Gj Kvi fZwËK, fe wK Ges mBtWÜK mµš-w wZ Z_ cöw wMZ Gv 2011 mtj i gta RwZmsNi wGj wGm-G Rgv cöb Kivnq |

esj t tki AvŠRwZK ew ngy mgv waYi j t esj t k fZwËK Rvc Aw`Bi ngv mµš- esj t tki vxi cÜ fZwËK I feÜZK Z_ Dcv I cöw miein Ges eLvi gwtg Ae`b t tLQ GQovl Rvvi ngej Mngy AvBw lqK AvŠRwZK Av v tZ 14.03.2012 ZwL esj t tki cÜ th HvZnwK i vqi dtj esj t k et acmMi 200 bW vj gBj vwo A_ wZK Gj Kv (BBRW) Ges Gi cieZx gnmcv Gj Kv v k AwKvii AvBmZ wZ t tQ, tmÜZ wRmei Ae`b i tQ fviZi mt_ wcvK ngv waY Gi dtj esj t k 1,18,813 eMktj wUi mM Gj Kvevntii mthMcte |

tj vKejt

1. W wvRy ingv Lvb, gncwPj K (LÜKj x) |
2. W t gvt kgnv gvb, mKvxcwPj K (fZË) (LÜKj x) |

2) esj t k fZwËK Rvc Aw`Bi I wsmcyi bbBqs chyi wkv v y tqi Av AeRv t fUixAe wsmcy Gi thŠ Melyvcüit

fviZxq, BDtikqb I ewR G vZw mµq tUKÜK tÜi mthM t esj t k Ae`b Kiv t tki DËi I ce wK cÜwqZ fWkú mNWZ nq fWkú mNÜbi AwK t tK avYv Kiv hq th, cÜ mto cv tKw eQi AvM fviZxq tÜi mt_ BDtikqb tÜi mNI i nq AvRI Pj gb AvQ 1762, 1885, 1897, 1918 I 1930 mtj i eo eo fWkú esj t tki wfbAÁj tK tQ AZxZ mNWZ fWkú tm Gj Kvi fgi f I fZË; cöw t tL hq | esj t k fZwËK Rvc Aw`Bi AZxZ NtU hv qv fWkú i v i cöw t tK fWkú mcbwq Gj Kv t v vYZ Kiv Ges eZÜb NtU hv qv fWkú i Dci Kvr Kji Av tQ fWkú wZ t q- t v me e v t i qvi Rb G wltq evcK Melyvnl qv chvRb |

Kivnq| cieZŹZ G nKj Z_ I DcĖ Dj vZ knġii Microseismic Zoning gbwĪ %ixZ e'eni Kivnq| eZŹb wWGwv †dR-2 cġġi AvZvq iscġ, wvRcġ, UsMBj, gqgbwsn, e,ov ivRknx K. evRi I †UKbvd †cŠ Gj vKi Microseismic Zoning gbwĪvqġbi KvR ii“ nġqġQ |

evj v`k fZwĖK Rvġ Aw`Bi (vRGm), `hM e'e`vcbv I ĪW gšYjġi Comprehensive Disaster Management Programme †dR-2 (wWGwv-2) cġġi AvZvq iscġ, wvRcġ, UsMBj, gqgbwsn, e,ov ivRknx K. evRi I †UKbvd †cŠ Gj vKi Microseismic Zoning gbwĪvqġbi KvR ii“ nġqġQ | ZQov fvgKáú wġq evj v`k I mbvZ Gj vKi be`-fMwBk Kwġgv nġŪ Avġiv AewZ nIqvi gvġg fvgKáú `hM wbi`cġY nġqZvKvRi Ask wamġe cŲg chġq Xkv MRcġii nġ bv gqgbwsn kni, gqgbwstni nġ vWU I Lj bvq ġgU cġW vRvGm †- kb `vġbi cġKġi bvġI qvġġqġQ |

ġj vKejt cġġek fZĖI cġKZK `hMG`vġmġgU kvLvi Rbej Ųivcġġi w ev`ewqZ nġe |

4) iġcġy cvġgbvK w`yr cġġi Gj vKv I mbvZ Gj vKi AvĲjK fZwĖK gbwĪvqġb Ges cġġi Gj vKi w`ĪwġZ cġKskj fZwĖK Rvġc |

ġj vKejt

1. W G,†K,Gg †Lviġk` Aj g, cġPj K (fZĖ) I wfvMq cġb-1 (LŪKj v) (ngšġKvix) |
2. Rbe wivRġ Bnj v Lb, cġPj K (fZĖ) (LŪKj v) (KwMxKvġwi cġb) |
3. Rbe ġikv gnš BKivg Aj x cġPj K (fZĖ) (LŪKj v) |

(cġġi ev`Ī evqBkj v ngġq cġġvRġb wfvbKvLvGes kvLvi AŠĪMŲ f-wÁvxnsvkó Kivnġe)

5) vRGm-GbvRAB ġhŠ Kvhġg-2q chġ

cġġi ngšġKvix Rbe ġikv gnš BKivg Aj x cġPj K (fZĖ) |

ġj vKejt cġġek fZĖI cġKZK `hMG`vġmġgU kvLvi Rbej Ųivcġġi w ev`ewqZ nġe |

kLv Acġġkb I ngšġ

(Branch: Operation and Coordination)

kLv cġbvt Rbe wivRġ Bnj v Lb, cġPj K (fZĖ) |

ġj vKejt

Rbe ġgvnš bġj nK, nKvixcġPj K (fZĖ) |

`vqZġI Kvhġj x

evj v`k fZwĖK Rvġ Aw`Bi GKv `eÁvBk cġŲb | A_©Rbkv I DcKiY nġeawġi e'e`vcbvI ngšġqi gvġg KwMxI `eÁvBk KvhġġK mġhvwZv cŲb GB kvLvi gġ `vqZġI G Qov AĪ kvLva`ġġi Ab`v` kvLvi Kvhġġi nġzngšġ maġbi jġġġ `wæwŲ `vqZngv cy b Kġi vġK | ġhgt cġġvRbx gub nġcboRbkv wġqM cġ`vŲ, `vqKiY, msMwBk Kwġgv`Zix ngvšZ cġKġi vġ AvZvq Zġi Kgcġvi evx nġb, wġ`R `v I ngšġ mab, DcKib I Rbkv i ngšġ I e'eni wŲZKiġbi Rb` cġKwZ AwR e'e`vcbv gvġg evRU I wmeiġY kvLvcġPj bv cġġvRbx `Ė`wġi nMġ, grġKiY, msiġY, I wZib e'e`vŲZKiY, `Ė` I nġcġi msiġY I wivcġvŲZKiġbi jġġġ `wivcġvkvLvcġPj bv hbevb I KvLbvDc kvLvcġPj bv |

cġb-1 kvLvi `vqZġ KgrZġ ġgt mġI qvi Aj g nġj v`vi, cġbK Avmġi |

`vqZġ

vRGmei msMwBk Kwġgv KgrZġ I Kgrġi`i wġqMew cŲq, mivni wġqM cġ`vŲ, UBgġ-j I wġġ Kkb ġMġ †-j gĲjx Pkix `vqKiY I †RŲ`Zv wġY msvš-Kvġ nġbŲKiv GB Dckvġi Ab`Zg `vqZġI ZQov KgrZġ I Kgrġi`i ewR †Mcbx cġġe`b nsiġY, 2q †kYx KgrZġ I 3q I 4_ġkYx KgrġiMġi Kvhġvi eUb, āgb msvšZ Av`k Rvix kŲlv I Avġj msvšZ cġġYv`gġbqgb msvšZ-Kvhġ nġcboKġi | wfvboġġi cġbK cġġe`b cġbK gšĲYjġq †cŲY Ges cġbK gšĲYjġq Pw`v ġgvġek wfvbZ`w ġcŲY Kġi |

cĤmb-2 kLvi `wqZpĖ KgrZĖ Rbe gndwĭb Avtg`, cĤmbK Awlmi |

`wqZt

wRgmei KgrZĖ i e`wMZ bw msi qY, nkj cĤvi Qw gĀyx tckb msuŝ-Khĥw mĕubokiv GB Dc-kLvi Ab`Zg Kvr | ZQov KgrZĖ i kĖLj vI Awcj, cwPq cĪ cĖb, wKrnv mndh` I vk qveĭ msuŝZ-Khĥw mĕubokĭi | cĤmbK gŝYj tqi Pwa`v tgvZĖeK wvboZ_`w tĖY Kĭi |

cĤmb-3 kLvi `wqZpĖ KgrZĖ tgt kwkY Bnj g, cĤmbK Awlmi |

`wqZt

wRgmei 3q tkYxi Kgpix` i e`wMZ bw msi qY, ewR ewZ teZb, UBg t`j I wĭtj Kkb tMĭt`j gĀyx tgvZĖeK teZb waqY Ges tckb msuŝ-Kvr mĕuboKiv GB Dc-kLvi Ab`Zg Kvr | ZQov 3q tkYxi Kgpix` i nkj cĤvi Qw gĀyx PKixmsuŝ-Z_`w PKixewĭZ yj we xKiY Ges AWU Awlĭm tĖY msuŝZ Khĥw mĕuboKĭi |

cĤmb-4 kLvi `wqZpĖ KgrZĖ teMg mĕebvĭj Zbv, cĤmbK Awlmi |

`wqZt

wRgmei 4_`tkYxi Kgpix` i e`wMZ bw msi qY, ewR ewZ teZb, UBg t`j I wĭtj Kkb tMĭt`j gĀyx tgvZĖeK teZb waqY Ges tckb msuŝ-Kvr mĕuboKiv GB Dc-kLvi Ab`Zg Kvr | ZQov 4_`tkYxi Kgpix` i nkj cĤvi Qw gĀyx PKixmsuŝ-Z_`w PKixewĭZ yj we xKiY Ges AWU Awlĭm tĖY msuŝZ Khĥw mĕuboKĭi |

wj I K`k DckLvi `wqZpĖ KgrZĖ Rbe Avej Kvk, wme i qY Awlmi |

`wqZt

wRgmei KgrZĖ I Kgpix` i teZb I fvzi wj, AvywK LiĭPi wj, agb fvzi wj I Dbqb cĤĭi i wj Ges wvboĤvi AMĭgi wj msuŝ-Ges Gi h`h`fĖe cĖqvmĕuboKĭi AWU Awlĭm tĖY Kiv GB Dc-kLvi Ab`Zg Kvr | ZQov wj tĖtĖU I K`k eB msi qY Ges AWU Awlĭm KZĖ AvcĖKZ wĭtj i Rew cĖb msuŝ-Kvr mĕuboKĭi |

AWU I eĖRU DckLvi `wqZpĖ KgrZĖ Rbe Avej Kvk, wme i qY Awlmi (AvZw³ `wqZ) |

`wqZt

wRgmei ewR eĖRU I nsĭkwaZ eĖRU cĖqb, cĤmbK gŝYj tqi tĖY Ges A_`gŝYj q nĭZ cvk Kiv GB Dc-kLvi Ab`Zg Kvr | eĖRU wfvRb, Lz Iqixet`iqi wcixZ Znvej cĤ`qb, wvboĤvi Awĭgi gĀxi Rb` cĤmbK gŝYj tqi cĪ tĖY, wvboAwĭgi nĭ i wme I wĭtj Pĭbi Rb` AWU Awlĭm tĖY, AWU AvcĖi wĖuĖi Rb` c` t`c MĭY Kiv cĤmbK gŝYj tqi Pwa`v tgvZĖeK Z_` tĖY msuŝ-Kvr mĕuboKĭi |

wivĖDckLvBDwU-1 Gi `wqZpĖ KgrZĖ Rbe tgt gny` ivb, mKvixcwPj K (Lbb cĖKĭj) (AvZw³ `wqZ) |

`wqZt

Av`Bĭi Mun wj, cwbi wj, tĖŜ Ki wj, Abj wB I GqvĭKj vi msuŝ-Khĥw, e`ov Xkvi wicY Awlĭm i qYĖe qY I tUj tĖb msuŝ-hēZxĭ Khĥw, evv eiĭ msuŝ-Khĥw, Lj bv Awlĭm `ncbv wqY I i qYĖe qY BZ`w |

wivĖDckLvBDwU-2 Gi `wqZpĖ KgrZĖ Rbe tgt tQvive tĖtĖb, wivĖKgrZĖ(mĕu`)|

`wqZt

cvbi cvu, mĖcviĭ i wj, K`wUb, w`y wj mgn, ydU I e`yZK Khĥw mĕu`yZK miĀgwĭ I tĖvi i qYĖe qY, tPSK`vi I mĖcviĭ i Khĥw Ub I Z`vi k, tmbUvixcw`vi cw`QbZĖ tĖvi I G msuŝ-Z`vi k Ges Xkvi m`i `Bi I PAVĖ Awlĭm `icbv wqY I i qYĖe qY BZ`w |

cvienb I KviLvDckvLi `wqZpÜ KgrZ@ Rbe tLv`Kvi iwDj Bmj v, mnKvixcwPj K (Wÿs cĤKĤj)
(AvZv³ `wqZ)|

`wqZt

Av`Bĥii hbevb iŶYteŶb, tQU-LU I`W wPzZ tgiGZ I Pwa`vAbhvxhbevb mieiv Kiv| G Av`Bi
emisMb KgrPx vĤK GKW f%ÁwK cÜôb Ges wvfoaiĥi emisMb KgrPxZ KvRi aiY I emi%b
Gj vKvAbhvxhbevb eUb G DckvLi Ab`Zg GKW `wqZ|

msMÿ DckvLx Rbe tgv tñvnb Lmi“, mnKvixcwPj K (fZË)|

(AeZgĥb Rbe tgunv\$ bÿ“j nK, mnKvixcwPj K (fZË) msMÿ Kgr3@ AvZv³ `wqZ;cyj b Kiĥb)|

`wqZt

KgrZ@KgrPxMÿi Pwa`v Ges Av`Bĥii KwMi I cÜvmbK mweR Dbqĥi jĥ““ gjvgj μq I msMÿ G
DckvLi Ab`Zg `wqZ|

tj vKejt

1. Rbe tgv kvKj Bmj v, cÜvmbK Avlmi (AvZv³ `wqZ)|

tóvi DckvLi Gi `wqZpÜ KgrZ@ Rbe tgv Ave`y ingb, tóvi Avlmi |

`wqZt

msMxZ gjvgj nsiŶY I KgrZ@KgrPx`i Pwa`vAbhvxgvjvgj mieiv Kiv|

**e, ovK`vú Avlmi
(Bogra Camp Office)**

`wqZi Kvh@j x

t`ĥki DËivĤj LwR nřú` Abnÿb I Ave`vi KgrvÜ emisMb `jĥk mnqZvcÜb GB K`vú Avlmi gj
`wqZ| Zpř I e`vcK LwR nřú` Abnÿb I Ave`vii jĥ““ esj v`ĥki DËivĤj fZwĤK, fe@wK I Wÿs
Kvh@j nřvĥe cwPj bv Rb` `vabZvi Ae`emZ cy@ĥZB e, ovq A`ıqfĥe AĤ Av`Bĥii K`vc Avlmi `ıcb
Kivnq| GKW cb%AvĤjK Avlmi cÜôvi jĥ““ e, ovq 4.18 GKı Rvg μq Kivnq| D³ Rvgı Dci GKW `B
Zj v wvĤ cÜvmbK feb, Wÿs vMI AvbnsWk hšcvZ nsiŶYi Rb` 6w tMwDb (tMwDb 1, 2 I 3 Ges
wbkbnW 1, 2 I 3) Ges GKW tKvi j vBĥıxAĥQ| G Qov GLĥb cÜ 570w wvfoaiĥvzi MQ-cyv I 16w
d`vU wvĥ ÷ 2w Avevuk feb iĥıq| eZgĥb G Avlmi cÜRbxı nsl`K wıvcËv KgrPxınn 25 Rb tj vKej
vĥıqWRZ AĥQ| wvfoaiĥv`vkvŶv cÜôvbi Pwa`vAbhvxZv`i MĥıYvKvRi Rb` G Avlmi tKvi j vBĥıx
t`ĥk (Wÿs tKvi nřZ msMxZ wvfoaiĥi tKvi nřvıj - ĥgb wvfoaiĥıM ewj, wĥ, Pbv cvı, m`v gwÜ,
Kqj v, KwB vjv BZ`w) nřvıj mieiv Kivnıq `ĥk| D³ K`vc Avlmi tK AvĤjK Avlmi ievšvZ Kiv
jĥ““ heZxı AeKwıgv Mıo tZyv nıqıq| GLĥb Dıj E` ĥ, Avlmi tK AvĤjK Avlmi wvĥe tNıYv Kiv
Abıgv ĥi Rb` LmovmsMwbK Kwıgvnn GKW cb% cÜve gšYıj ĥı cÜıqıvab iĥıq|

fvicÜ KgrZ@ tgv vbnRj Bmj v, Dc-mnKvixcwPj K (Wÿs cĤKĤj x)|

**kvLx cvKı bvI ev`eqb
(Branch of Planning and Implementation)**

`wqZi Kvh@j x

`Bĥii wvfoaiĥı cÜqb, cÜĥıi cwexŶY, gj`vY I ev`eqb AĤ kvLi gj `wqZ| G Qov wĥıv³ Kvh@j x
nřcv`b GB kvLi `wqZı AvZv³ | ĥgb: ewR Dbqĥ KgrPx (Gwvc) I nřkwaZ Dbqĥ KgrPx cÜqb,
`Bĥii ewR emi%b KgrPx cÜqb Ges emi%b KgrPx nřvĥe nřcbokıv jĥ““ nřkó Gj vKvi tRjv I
DcıRjv cÜvıbi nř% ĥMıĥıM `ıcb, Av`Bĥii Pj gb Kvh@j nřı gıvK, evnıK AMZı cÜĥe`b,
gıvK w, AvB, w, cÜĥe`b, RvZı A_@vZK cvĥı` chıv Pbv Rb` ĤgıvK AMZı cÜĥe`b cÜqb, `Bĥii
wvfoaiĥıv Dc`ıcb Ges nřvıvbi jĥ““ cÜRbxı c`ĥııci Rb` RvZı A_@vZK cvĥı`i vKU nřvıkgıv

tj vKejt

1. teMg bwwgvnj Zbv, cAb j vBteixqb |
2. Rbe tgvw\$ nwDj Bmj vg AvK^, j vBteixqb |
3. Rbe tgvw\$ nwDj Bmj vg AvK^, j vBteixqb |

Z_ tK^ t

vRGme Gi f%Awk KgRZOM ewisMb t_ tK Z_ DcvE msmO Ges Melyvgj K KvR ngvaceR wwb aitYi
 cOte`b I WUv vRGme tZ `wLj Ktib| G ng^-AcHwkZ Z_-DcvE I cOte`b nga vRGme-i Z_ tK^`a
 iLvng Ges cieZqZ GwUwiqj tevWp nzwikmug gncwPj K ginv tqi Abjgv bmuig Zv cHvki e`e`v
 Kivng| G me DcvE I Z_ w` t_ tki wfbaitibi Dbqbgj K KvR Ae`b titL AvtQ| G ng^-Z AcHwkZ
 Z_ vRGme bxZMZfde tKb e`w evcOzobik mieivn Kti bv|

tj vKejt

1. teMg bwwgvnj Zbv, cAb j vBteixqb (AvZv^3 `wqZ)|
2. Rbe tgvw\$ nwDj Bmj vg AvK^, j vBteixqb (AvZv^3 `wqZ)|

[2014-15 mjt i ewR ewi 1/4bm Ab`b` Kvtatg cOE KgRZOMYi bg tR`ozvAbynti bq]

**wfM1 Gi AvZvq
2014-2015 A_@Qi ev̄ eqbthM
ewisMb I Ab"b" KgnPxi w-wiZ weiYx**

wfM1 (Division 1)

wfMq cöb t W G, fK, Gg fLi fK` Aj g, cwPj K (fZË) |

wfMq cöb Gi `wqZjI Kh@j x

wfM Aab`-f%ÁwbK kLVngni emi½ I Melygj K Kh@j xi Z`viK, cwPj bvI mgšq mab Kiv
kLVngni wqZj f%ÁwbK KgrZM KZR emi½ I Melygj K KgrPmgn I Z`i Melyj ä Z` I
DcË mýZ dj vdtj i Dci cöZ cöZte`bngn cþthPBceR gncwPj K gñv` q mgxc fckKiY |

kLvt f;c`wR Z` wíklY I hšcwZ i fYte fY
(Brancht Geophysical Data Analysis and Maintenance of Equipment)

`wqZjI Kh@j xt

ewj f`iki cö mgMÖj Kv cy` cjj Øiv AveZ | dtj f-Af`si`-` wjv`ñi Mb, cöZ Ges LwR müt`i
Ae`b müt`K`ng`K aviYv j f`i Rb` f-c`wR c×Z mgñi cñM Acwñh` f-c`wR Z` wíklY I
hšcwZ i fYte fY kLV GB j f` AR`bi Rb` f-c`wR MelyMi Ges f-c`wR j wM MelyMi f-c`wR
Rw`ci müt` mské AvybK hšcwZ µq I msi fY Kñi `fK | DjvZ MelyMi f`q msiwZ hšcwZ, y
AZ`vaybK nI qvi Kvi fY G, yj`K me f`WK f`te Kh`g iLv j f` f` wqgwbvqx Calibration Kh`g cwPj bv
Kivnq | Gñv` f` f`Kv I`W cwj wZ nj müt` müt` B cñRbxq f`gigZi e`e`vMÝ KivG kLvi Ab`Zg cöb
`wqZj | GQovl Aw`Bñi Ab`b` f-c`wR kLVngniK emi½ Kh@j ev`eqbKvj cñRbxq hšcwZ
mieiv Ges DcË mñh hšcwZ cwPj bq mweR mñhMzv cöb Kivnq |

G kLVq emi½ f` f`K f-c`wR wfboc×Z f` mñh DcË mgñi KwúDvi mdUI qvi e`enñi ga`g
e`v`wíklY Gi f` f` mweR mñhMzv cöb Kivnq | GiB avivwKZv f-Af`si`-` wjv`ñi Mb, cöZ
Ges LwR müt`i Ae`b müt`K`ng`K mñh gZvZ I mñwíK mýZ cöZte`b cöq Kivnq Ges cñRbxq
w×s`MxZ nq | GQovl GB Aw`Bi KZR cwPj Z A`evGB Aw`Bi KZR Ab`gWZ Ab`b` cöZöb/ms`vi
wfbolbb-K`c f-c`wR j wM cwPj bv Kivnq | mñh DcË e`v`wíklYi ga`g f-Af`si`-` wjv`ñi
mgñi w`vñ f` f`Z, Yv, Y, f-Af`si`-` Zvcgñv ew` müt`KZ Z` mýZ mñh gZvZ I mñwíK mýZ
cöZte`b cöq Kiv G kLvi Ab`Zg cöb Kiv | Melygj K KgrPmgn I Z`i Melyj ä Z` I DcË
mýZ dj vdtj i Dci cöZ cöZte`bngn hvPBceR cöE mgñi gñ` wfMq cöb i ga`g gncwPj K
gñv` q mgxc fckKiY |

kLVcöb t W Lv fgt kgnj Añiwb, cwPj K (f;c`v`P)
fj`kej t

- 1. Rbve fgt I qvñ` f`v`b, D×Zb f-c`wR cñKñj x (Pj vZ `wqZ) |
- 2. Rbve j ybv Bqungb L`Kvi, mñKvxcwPj K (fe`v`P (LÚKj x)) |
- 3. Rbve fgt BqKñ fñvñb, f`UKv`kqb Bñ ±Ö. |

,i`ZcY Ae`bt

f-c`wR Z` wíklY I hšcwZ i fYte fY kLV f-Af`si`-` wjv`ñi Mb, cöZ Ges LwR müt`i Ae`b
müt`K`ng`K aviYv j f`i Rb` emi½ Y G heZ fe`wR c×Z mgñi cñM ga`g DcË mñh Kvj hš
cwPj bv Ges mñh DcË KwúDvi mdUI qvi e`enñi ga`g e`v`wíklYi f` f` mweR mñhMzv
cöb Kñi Gñv` | G Qovl G kLV mgñi müt` müt` D`v`wZ AZ`vaybK f-c`wR hšcwZ µq Ges cyvZb
I`WcY hšcwZi cñRbxq f`gigZ Kñi Kh`g Kivi j f` f` ,i`ZcY Ae`b f` f` Pñ f` |

2014-2015 A`ernñi KgrPt

KgrPt-1t emiMÝ fe`wR hšcwZ mgñi (Aw`Kl`g, PzKq, f%`ýZK) Kh`KwZvcix fY KgrPt 2014 |
[Performance tes of Geophysical Equipment (Gravity, Magnetic, Electrical) in the field-2014]

LbR mrc` (hw`_fK) I fZwEK Z`vejx Aw@fii jifl` Lbb Kfci `b wa@Ym cieZ@Rwici wK wif` RbvcOb G klvi cOb K|R| esj f`k fZwEK Rvic Aw`Bfi G chS-Awe@Z LbR mrc`i gfa` Kqv cOb| GQov Pbcv_i, aZe LbR, Kwb vjv BZ`wI Dfj LfhM| G LbR mrc`nga Aw@fi AvfKl@ I PzKx Rvic Dfj LfhM fvgKvcj b KfifQ Ges KifQ|

klvcObt Rbve wRvgDwb Avtg`, cwPj K (f-c`v_)
fj Kejt

1. Rbve fgt bWMe nmb, Dc-cwPj K (f-c`v_)
2. Rbve Lt Av nt fgt mBdz ingb, Dc-cwPj K (fyc`v_)
3. Rbve nj Zbvbnib bix, Dc-cwPj K (fyc`v_)
4. Rbve fgt kmRvb, Dc-cwPj K (fyc`v_)

„iZpb@e`vt

Ai Aw`Bfi eo eo mdjt` G klvi „iZpb@e`b ififQ| G klvi gaitg G chSZ c@ 6700 eM@ wktj wUvi Gj Kvi AvfKl@ I PzKx Rvic mubonififQ| Gi gaitg eocKiqv Lyj mxi I wNxcvov Kqv ififIi Aw`fi G klv ClYx mdj` AR@ KfifQ| ZQov cuPwe feub, gwn`cy-PKicvov PzKx e`Z`q, wvj inv`-mm tek KfKw A`@vZK LbRi Rb` m@ebvgq `b wvYz KivnififQ| GQov G klvi Z@eavb Bouguer Anomaly Map of Bangladesh I Aeromagnetic Anomaly Map of Bangladesh c@vKZ nq|

2014-2015 A`ermfi Kgf@t

Kgf@-1 : bImu RqcynU I e,ov fRj vi mšvi-vj Kcy-fvUvi cy I Z`msj M@j Kqv Kqv Abvub Ges Lbb Kfci `b wa@Yi Dfifk` w`wiZ PzKx I AvfKl@ f@vByj Rvic |

Dfifk` t

bImu RqcynU I e,ov fRj vab mšvi-vj Kcy-fvUvi cy Gj Kqv BfZvc@e@rúwZ AvAj K AvfKl@ Rvic Ges wM 2013-2014 A`@fi cwPjZ 2w w`wiZ f@vByj Rvici c@ djvdj P`Z feWZ GKw FYZK Gravity closure-Gi DcwVZ cwj v[Z nq| GB Closure Wi m@ogob -40 mgal| Closure w GKw feub/M@eb AvKzi fZwEK Kw@gv nZ c@i etj avYv Kiv hq| Bni D@i w@K Rgyj M@ Gj Kqv fgvUw GKB c@vzi Av GKw FYZK Gravity closure ififQ, fml@b lU-Gi `kfk LbbKZ Kfc (EDH-14) Pbcv_i Ges Kqv DcwVZ j`f` Kiv hq| AvfKl@ gb Ges w`vmi c@vZ w@Pbv vj Kcy- fvUvi cy Gravity closure w@K D@ Rgyj M@ Closure-Gi m`_ m`k` Kiv hq Ges `w Closure-B GKw enr fZwEK Kw@gv m`_ msk@ etj c@qgv nifQ| dtj, mšvi-vj Kcy-fvUvi cy Gravity closure w@ZI Pbcv_i Ges Kqv m@ M@vqbv vj v`i cvl qv D@j m@ebv ififQ| Ggze`q, D@ Gj Kqv AvI KfKw AvfKl@, PzKx f@vByj Rvici gaitg m@` mšvi-vj Kcy-fvUvi cy feub i cwa, Kw@gv v@vkv m Ab`b` vj v`fi Mxi Zv wY@ KiB GB Kgf@ Dfifk`| Drmne`AK djvdj c@ m@fif GB feub GKw cixl@gj K Lbb Kfci `b wa@Y Kivm@ nte|

Kgf@-2 t bImuI P@vBveM@ fRj vi wqgZcy-KvbmU Gj Kqv AvAj K AvfKl@ I PzKx Rvic |

Dfifk` t

esj f`k fZwEK Rvic Aw`Bi esj f`ki D@i-cw@vAjt AMxi Aw@kv Gj Kqv fZwEK Mb Kw@gv wY@ I LbR mrc` Abvubi Rb` m@ebvgq e`Z`qx Gj Kv wa@Yi Dfifk` AvAj K AvfKl@ I PzKx Rvic cwPj bvKfi AvfQ| G chSZ c@ 7500 eM@ wktj wUvi AwK Gj Kvi Rvic m@bKivnififQ| 2010-2011 efl@ Rvifc (STREC c@fi i Av Zvq) `vfb-cw@v wqgZcy-mcvq Gj Kv chS-AvfKl@ I PzKx Rvic cwPjZ nififQ| wqgZcy Gj Kqv avZK AvfKl@ Gfivg`y x ch@v[Z nI qv Gfivg`y wli w`vi wY@i Dfifk` eZ@b e@fi Gi Aviv`vfb-cw@v w@K wqgZcy-KvbmU Gj Kqv AvfKl@ I PzKx Rvic m@b i Kivi cwKibvKivnj |

RbKj `b gj K Df k` t

eZg`b w`ik| Kqj v I Pbcv`i Pw`v e`cK| esj v`ik w`y Drcv`b fciUjvqgi wKí Rjy bx umte Kqj vK wtePbv Kiv nq| wvq, f`ik bZb bZb Kqj v gRy Awe`Z n`j Zv f`iki Rjy bx wivcE`v fvgKv iL`Z cvite| ZQov, eZg`b f`iki w`igU`Zixi c`b Kuvgy Pbcv`i w`k n`Z Aw`bxKi`Z nq| f`ik Pbcv`i gRy Awe`KZ n`j Zv f`iki A`Dx I AeKw`igv w`v`g`Y Ae`b iL`Z cvite| Dciw`vLZ LwR m`u` Awe`KZ n`j Zv Df`Ej b c`uq D` Gj Kv AeKw`igv D`b`i c`k`w`k bZb bZb Kg`b`v`i n`hM m`o n`Z c`i |

**kvLx `y Abv`eb I vRAvBGm
(Brancht Remote Sensing and GIS)**

`wqZ;I Kh`ej x

`i Abv`eb I vRAvBGm c`x`Zi e`eni eZg`b fZ`Ej`f`i mKj f`%Áw`K KgRv`U D`jL`thM fvgKv`i`L Avt`Q| GB c`x`Z`Z f`DcM`v`I (Satellite Image) I AvKk Av`j`Kv`I ch`ej`Pbi gva`ig GKB ng`iq wkyj Gj`Kv`ch`e`Y Kivm`e` nq| GB c`x`Z`Z AvKk Av`j`Kv`I I w`f`b`o`B`ig`R ch`ej`Pbv`K`i AZ`Z I eZg`b`i f`-Mw`b`K, f`-c`K`v`Z`K c`w`e`Z`B I c`w`Z`` b`b`x`Lj`w`j, b`x`f`v`M, b`x`i M`Z`c`i`i c`w`e`Z`B, b`x`Z` Rg`K`Z` c`j`j, f`w`i`f` Ges P`y`Z (Fault) m`u`K`c`O`g`K av`Yv`I v`y`Z` Kivnq| c`K`v`Z`K` `h`M`i`g`K`w`ej`v`m`u`K`av`Yv`i`h`g`b`N` eb`v` Key`Z` Gj`Kv`P`y`Z`K`i`Y, Z`i` c`O`v`e` I m`e`e` `j`v`m`ab` Ges Z`i` c`K`v`i, iv`Í`v` e`u` w`g`Y`i` `b, eb`f`w`i` Av`Z`i`b`i` n`w`-e`x` w`a`t`b` `i- Abv`eb c`x`v` e`eni w`ikl fvgKv`i`L| GB kvL`v`D`c`i`w`v`L`Z` Z`_` R`b`i` R`b`_` c`O`g`K` av`Yv` m`y`Z` AvKk Av`j`Kv`I I w`f`b`o`B`ig`R ch`ej`Pbi gva`ig Base map c`O`Z` K`i` Ges cie`Z`Z` Base map AvKk Av`j`Kv`I I B`ig`R` m`i`R`w`i`b` c`i`x`Y`I ch`ej`Pbi gva`ig Ges c`O` Z`_`i` v`v`E`Z` m`k`e` Z`_` m`y`Z` g`b`v`I` Ges w`K` w`i` `R`b`m` c`Z`e` b` c`O`Z` K`i` _`v`K`|

Bnv`Qov`l` d`i`U`M`S`W`i` D`ck`L`v`i` P`w`v`v`i`g`v`Z`v`e`K` `v`i`i`n`v`I` R`w`c` A`w`B`i` n`Z` c`h`v`R`b`x` D`c`E`ng`a` m`S`M`i` K`v`R` w`i`q`w`R`Z`_`v`K`| P`w`v`v`i`g`v`Z`v`e`K` d`i`U`M`S`W`i` D`ck`L`v`n`Z` w`f`b`o`k`L`v`i` Kg`R`Z`e`i` e`w`i`S`b` K`h`e`g` e`v`Í`e`q`i`b`i` R`b`_` A`I` D`ck`L`v`q` m`i`v`i`Z` U`c`w`u`L, m`v`U`j`B`U` B`ig`R`v`ix` G`w`q`j` d`i`U`M`l`m`e`l` A`b`b`_` g`b`v`I` w`f`b`o`k`L`v`q` Kg`Z` f`Z`E`j`e`_` I` f`-c`_`v`_`e`_`f`i` P`w`v`v`i`g`v`Z`v`e`K` B`n`i`_` I`d`i`Z` M`Y` Kivnq|

m`f`D`ck`L`v`q` m`f`Q`i`M` e`w`i`S`b`i` P`w`v`v`i`g`v`Z`v`e`K` m`f`K`v`R` m`v`q`Z`v`c`O`b` K`i`b`| kvL`v`c`O`b` kvL`v`D`ck`L`v`i` m`Kj` K`h`e`g` Z`_`v`i`K`m` n`w`e`R` K`i`R` m`v`q`Z`v`c`O`b`m` A`b`b`_` c`O`Z`o`b` G`i` m`f`_`D`x`Z`b` K`Z`e`i`i` A`b`g`v`L`u`i`g` t`h`w`i`h`M` A`e`w`Z` i`v`L`b` |

kvLvc`O`bt Rbe`tdvq`v`y`g`b`L`b,`c`v`P`j`K` (fZ`E`)|

t`j`v`K`ej` t

1. %m`q` b`R`i`j` B`nj`v`g,`D`c`-`c`v`P`j`K` (fZ`E`)|
2. Rbe`tdvq`v`y`g`b`L`b,`m`K`v`ix`c`v`P`j`K` (fZ`E`)|

._i`Z`c`Y`A`e`v`b` t

esj`v`f`iki`c`O` m`g`M`C`j`K`v`i` w`f`b`o`t`_`f`i` AvKk Av`j`Kv`I I f`-D`c`M`v`I (Satellite Image), U`c`w`u`L` m`S`M`i` Kivnq| w`k`e`_`y`j`q`i` Q`M`Q`M`x`_`i` R`b`_` B`U`w`K`x`c` t`K`v`m`K`L`v`i` K`h`e`g, AvKk Av`j`Kv`I, B`ig`R` ch`ej`P`bv`G`es` e`w`i`S`b` D`` D`c`v`E`i` e`en`w`i`K` w`K` m`u`K`c`O`g`K`Y` c`O`b` Kivnq| m`f`D`ck`L`v`q` m`f`Q`i`M` f`-c`_`v`_`e`_`f`i` e`w`i`S`b` P`w`v`v`i`g`v`Z`v`e`K` m`f`K`v`R` m`v`q`Z`v`c`O`b` K`i`b`| GSB-CDMP G`i` g`i`a`_`_`v`i`Z` MOU A`b`h`v`q`x`D`ata` sharing` and` Geological` and` Geomorphological` Mapping` with` sub-surface` inforamation` c`h`i`i`i` K`v`R` m`v`q`Z`v`c`O`b` Kivnq| I`q`K`R`i`c`i` gva`ig` `i` Abv`eb I vRAvBGm Gi Dci KgRZ`e`i` av`Yv`f` I`q`v`nq|

2014-2015 A`_`e`r`m`i`i` K`g`P`t

K`g`P`-1` t` K`O`v`B,` m`S,` Ges` e`u`k`L`w`j` Gj`K`v`n`g`a`i`K` _`i`Z`i`A`v`i`c` K`i` c`e`Z`_` P`U`M`g` Gj`K`v`q` R`j` w`_`j`r` D`rc`v`i`b`i` m`e`e`_`v`_`v`y`Z`K`i`b`|

Dīk't

ceZ' PUMġ Gj Kvesj ʋ'iki ʋYcʃeAewZ hvvi ʃeki fVMGj ʋvUi ʋqvix ceʃZi AŠMġ| KʋvB tj K
esj ʋ'iki DI I cʃeʃvOgwW ʃRj v AewZ| KʋvB tj ʃK esj ʋ'iki GKgvĠ Rj w`r ʃK`aewM lʋUi ʋkʃK
`vcb Kivnq| cĶZ ermi cʋkʃZcʃvongu nʃZ cyj Aeʃʃcʃbi dʃj Gi MʃxiZv Ges Aʋvi μgvMZ nʃn
cʋʃQ| KʋvB, ms, Ges eukLwj Gj ʋv mʃaʃK iʃZ; Aʃivc Kʃi ceZ' PUMġ Gj ʋvq Rj w`y Drcv ʃbi
mʃe` ʋb ʋvʃZKib D³ ewisMb Kgvʃi cʃb Dīk't|

Dc-kLvt dʃUvMʃMʃi

ʋqZjI Kʋhʃj x

G DckLv ʋvʃiʃnv (SPARRSO), mʃfʃAe esj ʋ'k, BWDB, LR&M, BIWTA BZ`w cĶZʃb nʃZ eʃwa
gvʃĠ, Gwʃj dʃUvMʃm fyDcMʃĠ, e`wʃgwK PUʃeĀ gvKʃ uU nʃBU, ʃv wʃIʃ`v c mm eʃcĶv Z` I
DcĶ μq ceR nʃMġ Ges Zvh_ʃh_ʃʃe mʃi ʃY Kʃi ʋʃK | Aw`ʃʃii mʃeR MʃelyvI ewisM Rʃvc KʃR
e`enʃii Rb` Z`/DcĶ mʃa wʃbʃKʃZʃ ʋʃKU kZʃmʃcʃʃ Bnʃy Kivnq|

- tj ʋKejt 1. Rbe ʃgt tj ʋgvb, dʃUvMʃgʃb |
- 2. ʃeMʃ Avʃgdj ʃnvʃv, mʃt g`v I dʃUvMʃMʃiK |

DckLv mʃfʃ

ʋqZjI Kʋhʃj x

fZĶe` I f-c`v` MʃYi Pʃv ʃvʃZʃeK wʃbʃeʃvʃb KgvʃZ AskMʃY Kʃi Rʃvc KʃR cʃvʃj bv Ges Lbb
KʃRi Rb` mʃK ʃʃe ʋb wʃaʃʃY mʃvʃZvcʃb Kiv nʃBʃWʃMʃdK mʃfʃeʃʃkl Kʃi b`xi MʃxiZv wʃbʃ, cʃbi
cʃvgb wʃYʃ Ges b`xi Zj ʃʃi ʃʃi ʃʃi ʃʃi wʃYʃ Kiv j`w mʃfʃeʃʃkl Kʃi f`%ÁʃvʃK Pʃv ʃvʃZʃeK ʃcʃb ʃUeʃ
mʃfʃwʃIʃWj ʃBW mʃfʃUʃcʃMʃK mʃfʃʃʃʃjʃ mʃfʃcʃvʃj bv Kivnq, ʃʃi DʃPZv wʃZv b`xi MʃZc_ I
Ae`v, gvW KʃvI fiʃʃi cʃvgw Ges Ab`b` cʃʃRʃb contour mʃfʃcʃvʃj bv I cʃb Zʃ`i ʃvʃZʃ g`v cʃZ
Kiv ʃiW Gj ʃBʃʃU, ea wʃgʃ, mʃʃiR jʃB wʃgʃ, mʃK I ʃʃjʃB wʃgʃ BZ`w cʃʃRʃb cʃʃKʃj mʃfʃ
cʃvʃj bv Kiv Ges cʃʃe`b cʃZ Kiv Aw`ʃʃii Dcʃiʃj ʃZ KʃR Qovʃ wʃbʃoʃvʃi Abʃiʃʃa Zʃ`iʃK G
aiʃbi mʃvʃZvcʃb Kivnq|

tj ʋKejt Rbe Avʃmʃj vʃ Zj ʃ`vi, ʃnW mʃfʃʃi |

**kLvt cʃʃek fZĶI cĶvZK ʃhʃMGʃmʃʃgU kLv
(Brancht Environmental Geology and Natural Hazard Assessment)**

ʋqZjI Kʋhʃj x

ʃʃi cʃʃKʃj fZwĶ I cĶvZK ʃhʃMʃgvʃĠqʃb G kʃvi cʃb KʃR| f-mʃcʃKʃ wʃbʃoiʃbi cĶvZK I
gʃbe mʃ ʃhʃMʃj`vʃ I MʃelyvKʃi ʃhʃMe`e`vcbvʃʃq cʃvgkʃcʃb Kivm ʃʃi ʃʃi ʃʃi Gj ʃvq eo aiʃbi
AeKʃvʃgʃv I bM Dbʃʃbi ʃʃiĠ G kʃLv cʃʃKʃj fZwĶ Z` I DcĶ mieivn Kʃi miKv/mʃkʃé KZʃʃʃK
mʃvʃ` cʃb Kʃi ʃʃK| Mʃelyvʃj K Kgvʃmʃy I Zʃ`i Mʃelyv ä Z` I DcĶ mʃy Z dj vʃʃi Dci cʃZ
cʃʃe`b mʃy hvʃBceR cʃĶ mʃʃi gʃa` wʃvʃq cʃʃbi gʃaʃg gʃncvʃj K gʃnv q mʃʃc ʃckʃiY|

kLvcʃbt Rbe ʃikv gʃnʃ BKivʃ Aj x cʃvʃj K (fZĶ) |

tj ʋKejt

- 1. Rbe mʃ gvAv³ vi, Dc cʃvʃj K (fZĶ) |
- 2. Rbe Avʃʃgl Zj ʃ`vi, mʃKʃixcʃvʃj K (fZĶ) |
- 3. Rbe ʃgʃvʃʃ Aj gʃMi Kexi, mʃKʃixcʃvʃj K (fZĶ) |
- 4. Rbe ʃgt ʃmʃʃj iʃv mʃKʃixcʃvʃj K (fZĶ) |
- 5. Rbe dʃi`K ũmʃBb, mʃKʃixcʃvʃj K (fZĶ) |

কলত ডক্‌জ় ঞ় I মগ্‌ক ফ্‌জ়ে়
(Branch Coastal and Marine Geology)

ঞ়জ়ে় I ক্‌হে় ঞ়

esj ʃ k fZwĒK Rwc Aw`βīi Dckj ɳ I mgyĒK fZĒj kLv esj ʃ ʃki Dckj ɳ Gj ʋq fZwĒK I feĒKZK gbwĪ cŌĪĪZKib I cŪte`b cŪqb, LwR mē` Awē`ai I Dckj ɳ Gj ʋq cĒKZK `hM ʃgvKʃej ɳ cĪRb ɳ Z` I DcvĒ mMni KʃR wʃqwrZ |

miKvix I ʃemiKvix cŪōb Ges e`w wʃklʃk cŪ Z`, DcvĒ Ges j ä Áb ōiv mʃhMzv cŪb KivGB kLv `wZj | Dckj ɳ Gj ʋvi e`ē`cbv cŪKib ɳ cŪʃek mʃvšĪ Mēlyv Ges Av`mgyĒK Ae`vi Dbqʃ GB kLv wʃkl Ae`b iLvʃ | kLv wR`^fZwĒK KgRŪ Qovl eZgʃb ciiw`a gšyʃ ʃqi ZĒeavb esj ʃ ʃki AvšĪ RĒZK mgy`ngv wa`ʃbi j ʃq` GB kLv mʃqfʃe RwZ iʃʃʃ |

কল্‌ব্‌চ'ব্‌ Rbe Avāy eKxLb gRyʃk, Dc-cwPj K (fZĒ) |

ʃj ʋej t

1. Rbe bwgʃʃeMg, Dc-cwPj K (fZĒ) (LŪKj ɳ) |
2. Rbe ʃgt Avmb nwē, mKvixcwPj K (fZĒ) |
3. W ʃgt kvnʃqwb, mKvixcwPj K (fZĒ) (LŪKj ɳ) |

ʃi`Zcb`Ae`bt

2013 Bs mʃ chšĪ 1t50,000 ʃ`ʃj esj ʃ ʃki Dckj ɳ Gj ʋq 8,830 e.ʋ. Gj ʋq gbwĪwZ Kivnʃʃʃ | 36,000 e.ʋ. Gj ʋvi cŪwK g`vc 1t125,000 ʃ`ʃj cŌĪĪĪZ Kivnʃʃʃ | G chšĪ 22 w fZwĒK cŪte`b cŌĪĪZ Kivnʃʃʃ Ges 03 (vʃb) w fZwĒK cŪte`b cŌĪĪʃzi KʃR Pj ʃʃ | Gi gʃa` `Bw miKvix ʃcŪ ʃʃʃ K cĪwKZ nʃʃʃ Ges AvI vʃbw cĪwKvi Rb` PovšĪ gʃbqʃ ʃʃʃʃ | Bnv Qovl G kLv ʃʃʃ 7 (mZ)w Mēlyvʃj K cŪ cĪwKZ nʃʃʃ | GLʃb AvI Dʃj ōL` ʃh, G kLv Geological Exploration for the identification of the Mineral Resources and the areas vulnerable to Natural Hazards in the Coastal parts of Bangladesh” kĒK cĪ cŪqb Kʃi hv2007 Bs ʃʃʃ 2012 Bs mʃ chšĪ ev`Īeqb Kivnʃ |

2014-2015 A`erntii Kgʃt

Kgʃt-1 t esj ʃ ʃki K. eRvi ʃRʃi AšZM K. eRvi m`i, PʃKwʃv I ʃcKʃv DcʃRʃi vʃgʃʃi `ekō`mga Ges AbywK Dckj eZ` hMnga wa`ʃyi j ʃq` Dckj ɳ fZwĒK I fcĒKZK gbwĪqʃ |

Dʃi`k` t

G Kgʃt ga`ʃg K. eRvi ʃRʃi AšZM K. eRvi m`i, PʃKwʃv I ʃcKʃv DcʃRʃi vʃ Dckj ɳ fZwĒK I fcĒKZK gbwĪqʃ KʃR mʃcboKivnʃe | Bnv 1 t 50,000 ʃ`ʃj esj ʃ ʃki fZwĒK gbwĪqʃbi Ask wʃkl | DcM I wgb Avʃ ʋwĪ ngʃni wʃklʃ, ewisM Rwc Ges MēlywMʃi Z` I DcvĒ wʃkōʃʃyi ga`ʃg GB KʃR mʃcboKivnʃe |

esj ʃ ʃki miKvi ʃʃki Dbqʃ aviv Ae`nZ iLvʃ jʃy` iv`ĪwU wʃg, b`xua I b`xkvb, AwK dnj Drcv b, ʋkĪ `cb, wē`cwb mieʃni e`ē`v eb`vʃqšb, Dckj ɳ Gj ʋq `hMʃgvKʃej vi `ʃ`eoxua I AkʃʃK``wʃbi Rb` c`ʃy`c MŪY Kʃiʃʃ | ʃmme j y`nga ARʃbi Rb` f-DcwʃMI f-Af`šĪ i`Ī fZĒj mʃwKZ ʃhme ʃgʃyʃ K Z` I DcvĒ `iKvi Zv mieʃni wʃgĒ cŪw Gj ʋq fZwĒK Rwc Kʃhag cwPj bv GKvšĪ cĪRb Ges Rʃʃi ga`ʃg DcʃRʃi vʃwĒK cŪte`b cŪqb Zi Ask wʃkl |

eZgʃb miKvi gʃnkLj ʃZ Mʃi ngʃe`i, LNG-Terminal Ges w`yʃ ʃK`wʃbi cŪKibv MŪY Kʃiʃʃ, hvwʃg Kivnʃj gʃnkLj ʃm Avkʃʃki Gj ʋq bZb bZb `cbv Mʃo DVʃe | AvI G aiʃbi `cbv MʃZ nʃj mʃkōó Gj ʋvi fZwĒK, feĒKZK I f-cwʃek mʃʃʃKZ` `ʋvGKvšĪ cĪRb | G Dʃi`ʃk`B Dʃj ōLZ Kgʃt ʃʃʃ ʃʃʃʃ |

ewisM KʃR ʃkʃl ʃh cŪte`b Ges GZ`mʃkō `ē`Lv gbwĪ (fZwĒK gbwĪ, feĒKZK gbwĪ, fʃg-e`envi gbwĪ, Rj wMʃb cŪy xgbwĪ, Dckj ʃiLvi ʃq`eʃ mʃvšĪ gbwĪ, n`RWgʃbwĪ BZ`w) cŌĪĪZ Kivnʃe |

Zqov G aiḥi KḡP̄x ev-Íeqḥi dḥj nskó DcḥRj vi ḥ mg-Í Z_ I DcvĚ mḡúK̄AewZ nIqv hḥe ḥmḥj vi h_h_ e-ēni gbwĪwqZ Gj vki mgwĪ Dḡb cḡKíbvq mḡK fḡKv cy b Kiḥ, hv wḥkl Kḥi DcḥRj vi cḥK̄sj, Kḡ I Dḡb KḡRḡŪ wḥqRZ KḡRZḡ i wfbocwKíbvMŪY, cḡq I ev-Íeqḥi dj cḥ- Ae`b iLḥe|

mweRfḥe KḡP̄xU ḥ me ḥḥiḥ fḡKviLḥZ cḥi Zi mḡB ebḡvḥP ḥ qvj -

- K) fZwĚK gbwĪwqḥi gaḥg Gj vki ḥKvUibvixhḥM ḥ-eb`mḡavḥb Kiv|
- L) cŌweZ cŪv ḥnZi mḥhMmoK I ZmḡúK̄ Ab`b` ḥiZcȳ vcbvi fZwĚK ḥekó Dci fZwĚK Z_ w̄ AniY|
- M) Gj vki iv`vNū, eR-Ky fUḡḡom AewwK Ges w̄kí Gj vki ḥb wḡyZ Kib BZ`w̄i j ḥḥi fZwĚK I f-cḥḡK `w̄Kv ḥḥiK cigk`b|
- N) cŌweZ Gj vki b`-b`x̄ MZc_ cweZḥi BZnm D`Nūb Ges be` f-Aḡ`y ḥbi mḥMZc_ cweZḥi mḡúK̄w̄i fḥi ḥPovKiv|
- O) cḡḥekMZ I cŪK̄ZK `ḥḡMh_veh`v Liv So BZ`w̄ mḡúK̄w̄i Z_ mḡ Ges cḡḥek Dḡb w̄lqK cigk`b|
- P) ḥ MxiZi LbRm̄c` wḡyZKib Ges cŪ Lbḥi Ri A_ḡw̄ZK ḥiZḥḥePbvI mWK e-ēnḥi cigk`b|
- Q) mḡsj Z Z_ I DcvĚi mweR chḡj Pbv Ges f-cŪK̄ZK Ae`vI cjj cḥZi wḡḥZ fḡi fwl`r mḡe` e-ēni mḡcK̄Z cigk`b|

emiḥb KḡR ḥkḥl ḥ cŪḥe`b Ges GZ`nškó ḥ`L`VZ gbwĪ (ḥgb- fZwĚK gbwĪ, f-cḥḡK gbwĪ, fḡ- e-ēni gbwĪ, Rj wḡḡ-cḡḡxgbwĪ, n`RwḡgbwĪ BZ`w̄) cŌZ Kivnḥe hvDcḥRj mḡni cḥK̄sj, Kḡ I Dḡb KḡRḡŪ wḥqRZ KḡRZḡ i wfbocwKíbvMŪY, cḡq I ev-Íeqḥi dj cḥ- Ae`b iLḥe|

**wfM2 Gi AvZvq
2014-2015 A_@Qi ev̄ eqbthM
ewisMb I Ab"b" KgnPxi w-wiZ weiYx**

2014-2015 A_erniia KgnPt

KgnP-1 t OnwMÄ tRj vi gaecy, Pbi NU I ewej Dc tRj vab wvfoej Kvi D tEj bthM n vgw/Pbvgwi gRy, w I yZ Ges A_ bZK m e ZvhvPB w lqK fZwEK Abnubó

D t k t

Rj v x I LwR n u w f v M n t Z c b m i ei v Z gaecy Dc tRj vi kvvRvbcy BDwq tbi n u c y t g R v m Dc tRj vi Ab b G j v K v n v g w A v Q v K v v Z v n t i R v g i b A b n u b c e R G K w w I w Z f Z w E K c Z t e b R j v x I L w R n u w f v M t c O Y K i t Z e j v n q | G t c O t Z K v R v v g j D t k t

- D G j v K v K c L b t b i g a t g b g v m s M i n v g w l i A e b w I y Z I g R y w Y q
- m M x Z b g v j v e t i U w t Z w i k t b i g a t g g b w Y q
- A_ b Z K m e Z v h v P B K i f Z w E K c Z t e b c u q b K i v |

KgnP-2 t n b v g M ä t R j v i k y v G e s m e M ä t R j v i A v R i g i x M ä G j v K v c b w U G i c h Z g R y, e w b G e s A_ b Z K m e Z v h v P B O

D t k t

n b v g M ä t R j v i k y v G e s m e M ä t R j v i A v R i g i x M ä G j v K v c e P v y Z w t U i w e t i q w I w Z Z n m s M i G K v R i g j D t k t | w I w Z D t k t w a e f t

- w i m t f P g a t g f Z w E K Z n D c v E m s M i
- v R w G m t j v K k b m A M i t n j I w W s G i g a t g w t U i b g v m s M i
- w t U i c y Z i w I v i w a e Y
- w t U i i m q v b K w i k t Y
- A_ b Z K m e Z v h v P B c e R c Z t e b Z i x

KgnP-3 t ObIMuI RqcynU tRj vi vZj Kcy Gj vKv ZiZwEK Z_ nsM i A_ bZK fte , izrb LwR n u Abnub i j t | G K w A b n u b K c L b b O

D t k t

A I A w B t i i f e w R (f - K l q I P z K x) K v R i t c O t Z D y o w L Z G j v K v w g o g v i f K l q e Z q c v q v h q | G a i t b i e Z q K q j v R v Z x L w R (K g N b Z p Y P R g v B w Z e n b K t i | G t c O t Z D G j v K v g j e b K q j v i A b n u b w I y Z g R y g b A_ b Z K m e Z v h v P B K i v R b G K w A b n u b K e L b b K i v A e k K n t e | D L b b n t Z G j v K v i i Z w E K Z n G e s f Z w E K B v Z n v m R v b h t e h v i g a t g c i e Z m g t q f Z w E K c Z t e b c u q b K i v n t e G e s Z v t t k i A_ b Z K D b q b w i k l f v g K v i d t e | w I w Z D t k t w a e f t

- L b b K v h a t g c b b g b v n g a g w c h q c o w K c i x y v w i x y v K t i b g b v n g t n i b g v w b m b v K i Y I I w b v m K t i G K w c o w K f Z w E K j M c O I I Z K i Y G e s L b b K v h a t g c b b f - M f b g b v n g a f - w A w b K M e l Y g j K K v R i R b h v h f t e m s i Y |
- I w b v m K Z f - M f w k j v i w k i M W b K I A b b Z n m s M i h i R b m s M x Z b g v i w f b o M e l Y w t i c i x y Y (t f S I i v n q v b K) |
- L b b K e n t Z L b b P j v K j x b m g t q m s M x Z D c v E G e s M e l Y w i n t Z c b t f S I i v n q v b K d j v d t j i D c i v v E K t i L b b K e G j v K v i t e w t b i A v K v i - A v K v Z M b D c v b I e w b w k j v i w k i I i q b G e s t e w t b i f - Z w E K B v Z n v m m e u t K G K w c y a v i Y v j v f |
- m s M x Z f Z w E K I i w b v m i n K j Z n w I D c v E i m g e k N w t q D G j v K v i f Z w E K B v Z n v m c Y M b G e s G K w c y f Z w E K c Z t e b c u q b |
- t K v L w t R i n u b c v q v t M j t m w e t i q A v m g w R K D b q b n e u K Z m y w i k c o b |

kvlt ^eikwK imqb
(Brancht Analytical Chemistry)

^wqZ;I Kh@j xt

LwR nrú` Abmúvbi wvgtiE msMxZ wvfbocZwEK bghvi (Kqj v wU, vkj v m`gwU, KuPewj BZ`w) wqgZwEK imqbK wtklY| f;M^o cwv Ges gwltZ Avn^oK `lYi Dci wvfbocitYi Melyv| ^eikwK imqb kvLvi MelyvMti f;imqbK Kh@G Gi gva`g cvtekMZ `lYi gvUv wY@ Ges Melyv| wvfboc gj`eb LwR nrú`i ,Yv,Y mYv³KiY Ges D³ nrú`i A`wZK gj`vqibi KvR mqvZv| wvfbocLwR nrú` mgx GjVv mYv³KiYi j`l` LwR nrú` Dbqb eyiv (wGgW) KZK t^oZ bghvi imqbK wtklY| RvZx ivR`^f^oW Aaxb ié wvM⁺ t⁺K c^o Avg`wKZ Raw material Gi gb wY@ wvfboc w^ov^oZôv Aa`qbiZ M.Sc., M.Phil., Ph.D Qm-Qm` i Melyvi KvR mqvZvcôv Kiv| wvfboc gj`eb avZi (thgb- tmbv i f^ovBZ`w) Qualitative Ges Quantitive wtklY Kiv| imqbK wtklY Ges Melyvi KvR tkl c^o dj vti i v^ol⁺Z c^ol⁺ b c^oZ Kiv| gnvcwPj K gtnv tqi w^ol⁺ R tgvZ^oEk Ab`w` AvyswK KvR Kiv|

kvLvcôv t t^oMg tgnit^o bQv t^oMg, cvPj K (imqb)|

tj vKejt

1. Rbve Avig` AvZvj gbx, Dc-cwPj K (imqb)|
2. Rbve t^oMg m⁺Kiv Dc-cwPj K (imqb)|
3. Rbve KvbR dvZgv, Dc-cwPj K (imqb)|
4. Rbve t^odi⁺ `Sn⁺t^oMg, mKvixcvPj K (imqb)|
5. Rbve iwgv t^oMg, mKvixcvPj K (imqb)|
6. Rbve t^okl g^ov^oS t^og^oevn Avi ingv, mKvixcvPj K (imqb)|
7. Rbve t^ogt g^oR`j Bnj v, mKvixcvPj K (imqb)|

,iZpY^oAe`bt

%eikwK imqb kvLv wRGme Gi GKW AvZe ,iZpY^okvL| GB kvLv fZwEK gvb^ol⁺vqibi KvR bghvi imqbK wtklYi gva`g Z` w`q evj v` t^oki fZwEK gvb^ol⁺ `ZixZ m^ov` Kti, wRGme KZK Aw^o Z wvfbocLwR (thgb-Pbcv_i, m`gwU, Kwbk^ov Kqj v wnjKwej, evj BZ`w) imqbK wtklYi gva`g ,bMZgv wY@ Kti wRGme Gi KvR mqvZvcôv Kit^o, miKwi I t^oem^oKwi wvfboc^oZôv n⁺Z t^oc^oZ bgyvi gb wY@ Kti t^o t^oki mgw^ol⁺ Dbqb KvR mqvZv Kti Pj t^o, wvfbocw^ol⁺ `y q n⁺Z AvZ Qm-Qm` i Melyvi/w^ol⁺ni KvRi Rb` Z^o i bghvi imqbK wtklY I w^ol⁺ t^o Lv KvR mqvZvcôv Kit^o|

2014-2015 A`ern^oii ewisMb Kg^oPt

Kg^oP-1 t t^ovqLj x⁺Rj vi m^oYPi I t^oKv^oubx^oM^o Dc⁺Rj vi m^oY^oDcKj eZ^oGj v^ovi f^oc^o I f^oM^o cwbi j eYv³ Zv`ixKi⁺Yi Rb` e`envi Dc⁺hwK I m^ol⁺ox^o c^ol⁺ D^ol⁺eb|

D^oi k^ot

f; c^o I f;M^o cwbtZ j eYv³ Zv evj v` t^oki DcKj eZ^oGj v^ol⁺ng^oni n⁺q cwbi gv^ov^o msKU m^o Kti t^oQ| evj v` t^oki m^oY^oDcKj eZ^oRj v^ol⁺ng^oni g^ol⁺ t^ovqLj x⁺Ab`Zg Rbeuj GKW t^oRj v| D³ t^oRj vi m^oY^oDcKj eZ^o m^oYPi I t^oKv^oubx^oM^o Dc⁺Rj v` w^ol⁺Z j eYv³ Zv Ki⁺Y n⁺q cwbi msKU w`gb| MelyvMti h`v` `eAvbK c^ol⁺qv Ae^o b Kti cwbi j eYv³ Zv`ixKi⁺Yi Rb` e`envi Dc⁺hwK I m^ol⁺ox^o c^ol⁺ D^ol⁺eb i j⁺ t^o t^ovqLj x⁺ t^oRj vi m^oYPi I t^oKv^oubx^oM^o Dc⁺Rj vi m^oY^oDcKj eZ^oGj v^ovi f; c^o I f;M^o cwbi bghv nsM^oni Rb` G Kg^oPw c^ol⁺ve Kivn⁺q^o|

Kg^oP-2 t Rj w^o w^ont^o n⁺te^og e`envi w^ol⁺ f^ol⁺bi j⁺ t^o evj v` t^oki wvfboc`v^o Aw^oZ wU Gi imqbK ,Yv,Y wY@ I Rj w^o gb e^ox^oKiY|

Dijit

μgeaḡb Rjy vxi Pw`v Kqj vi cfiB wfiUi `vb | Mh`vj Rjy vb KfR, BU fcvvby w`jr `ZixBZ`w KfR wUe`envi KivntiQ | mavibZ: wU Gi Zvc Drcv b f|gZv4000-9000 wvBD/cvDU | Dbzgvbi wU Kqj vi wKi wnte e`envi Kfi w`jr `ZvifZ e`envi Kivnq | esj v`k fZwEK Rvic Aw`Bi G hvez tek wQzwU Gi gRy Aw`vi KfiifQ | G mKj wU Gi mWK bMZ gvb wvq Kfi wfiUi gvb Ablyvxe`envi Kivntj Ges h_h `eAwk cfiqvq Gi Kvef KbtUU exi gva`tg Rjy vb gvb ewo`iq Rjy vbi mtevP e`envi wvDZ Kiv hte | Rjy vbi mtevP e`envi wvDZ Kivi Rb` wGme Aw`Z wfiUi gvb hvPbm Gfi i Zj bvgj K MelyB GB KgPi Dijit |

**kvLst Lbb
(Brancht Drilling)**

`wqZiI Kh@jx

GB kvLvi j f| fZwEK I Ab`b` Kh@tgi gva`tg f-Af`Si mfvU avYKZ Z`vej xi mWKZv wifY I cfiRbteva f-Af`Si mfvUk`bZb DcvE msMni Rb` AbmUvbgjK Ke Lbb Kiv | Lbibi Rb` cfiRbvx hšcwZ, ivmqvK I Ab`b` `e`w` msMni Ges w`vZ `vb AbmUvbgjK Ke Lbb GB kvLvi `wqZej xi Aš-f | kvLvi mKj Wwys fgvkvi hšcwZ Ges AvlyvWK gyvgj ngani mfi i f|vte f|Y,msi f|Y Ges cfiRbvx msMYI G kvLvi `wqZi | Melyvgj K KgPangu I Zv` i Melyj ä Z` I DcvE mfvZ djvdtj i Dci cöZ cöte`bmg hvPbceR cöE mgtqi gja` wfvMq cöbi gva`tg gncvPj K ginv q mgtc fckKiY |

**kvLvcöbt t Rbve fgt Ave`mngv, cvPj K (Wwys cfiKšj) |
tj vKejt**

1. Rbve fgt gwij Bmj v, Dc-cvPj K (Wwys cfiKšj) (Pj v `wqZi) |
2. Rbve L`Kvi iwdj Bmj v, mKvixcvPj K (Wwys cfiKšj) |
3. Rbve fgt gny ivv, mKvixcvPj K (Wwys cfiKšj) |
4. Rbve gCb Dvb Avtg, mKvixcvPj K (Wwys cfiKšj) |

,i`EcbAe`vt

Wwys kvLVAi Aw`Btii mgvK Kh@tgi ,i`ZcYfvgKv cyb Kfi AvntQ | Kqv v Pbcv_i, KwB vjv Kp ewjnm gj`eb LwR mfv` AbmUvbi j f| wfvbMxiZvq Kc Lbb KivntiQ | Wwys I AvlyvWK Kh@tgi ckvwk Aw`Btii Ab`b` kvLvDckLvi wwa Kh@gaI mfvte mfvbKfi `vK |

1960 Bs nb ntZ G chS-A_@ Rb, 2014 mj chS-204W G. fctikbj Kc Lbb KivntiQ Ges LbbKZ Ke mgni fgv MxiZv cö 1,77,439 dE (54,083.40 wUvi) | G Qov 1960 Bs nb ntZ G chS-cö 2787W wntgy RK`y KeI Lbb KivntiQ Ges Kengani fgv MxiZv cö 1,12,000 dE (34,146 wUvi) | G mKj Kc Lbibi gva`tg f`fk Kqv v Pbcv_i, m`wvU, KwB vjv I Kpej y gZ ,i`ZcYvLwR Aw`vi Kfi f`iki mgvM Dbqfb ,i`ZcY`Ae`v fiiLtiQ | Gi dtj mfv`ZvhvPbtqi ci eocKvqv Kqv I ga`cvoMvBU Lv `vcb Kivmeci ntqiQ |

Aw`Btii wR`^Kh@g Qovl Ab`b` ,i`ZcY`vöq cöZövi Abiyvmtg Lbb mfvS-wfvbomthwZvgj K Kh@g Lbb kvLvkZK mfv`vbi gva`tg h`ó cöswZ ntqiQ Ges f`k I Rvzi fmev ,i`ZcY`Ae`v fiiLtiQ |

2014-2015 A_@erntii KgP

KgPx1t bZb fZwEK Ke Lbb KgPx

Dijit

esj v`iki DEi cvdgAtj GKw Ke Lbb Kiv | Gi dtj D³ AAtj i Abwe`Z Kqv v Pbcv_i, m`wvU, KwBvkv I Kpej y gtZv ,i`ZcYvLwRmfv` vPyZ Kivmfe nte |

Kg@Px 2t Lbb hšcwZnga tgiwZ wklZt gWcvúnga tgiwZ |

Dj k t

wRgme e, ov K`vú t÷ vti i v[Z Lbb hšcwZ wklZt gWcvúnga `N@b e`envi nI hvi Kvi tY [qc@ I AíKíRvntq AqQ | D³ tgvkviR ngu cieZXLbb Kh`@g Aví@Kivi cfeB tgiwZ KivGKvš-eíqRb |

Kg@Px 3t wkbvU tgiwZ I i [Yte [Y Kg@Px

Dj k t

wRgve e, ov K`vú 03 (vZb)w wkbvU wšys iW tKws I tKvi e`vij i v[Z AqQ | wkbvU, vji Qv Ges vfw bó ntq hV qv gj`eb wšys iW tKws I tKvi e`vij nga e`envi Aby`thMkn`q hv`Q | D³ vZbw wkbvU wšys Kh`@g Aví@Kivi cfeB tgiwZ KivGKvš-eíqRb |

**klvt fZwëK gbvÍqb I tKvUibvixfZË;
(Brancht Geological Mapping and Quaternary Geology)**

wZjI Kh@j x

e`envi thM t`dj (gjZ: 1 t 50,000 t`dj) esj v`iki fZwëK gbvÍ `Zv, tKv Gj vKvev fMwB Kwtgvi fZwëK gbvÍ `Zv, f-c@` ev`f MxiZvq AewZ LwR nru`i Abv`b KvR cvPj bv Ávbi wKk ma`bi ga`tg t`iki Z_vcv@Z@Gj vki tKvUibvixhM fZwëK BvZnm I Rj evqy Z`w Melyv ga`tg D`@Spb Kiv wvfb@`h@h_veb`v b`xfv@, Rj vQm, b`xi MZc_ cweZ@, BZ`w wliqi Dci Z`_ nsm I KviY nbv³ Kiv Ges tgvkvej vi tKšj wa@Y Kiv tKvUibvixhM (wMZ 18 j [eQi ntZ AvR chS)-G nsmwZ Rj evqy cweZ@bi Dci Melyv KvR cvPj bv Kiv t`iki Dbqb KgRvU ev LwR nru` Abv`b Pw`v tgvZveK miKv tK c@`gK Z`w mieiv Kiv | wvfbok [vc@Z@b ev Melyvj K c@Z@bnga tK Pw`v tgvZveK fZwëK wliq mqvZv c@b Kti Av-wAv Dbqb h_vh_fvgKv iLv Ges t`iki Dbqb h_vh_Ae`b iLv j`[` AvyK fZwëK gbvÍqb cxvZ D`v@eb Kiv ev gbvÍqb cxvZ tK AvyKqb Kiv Melyvj K Kg@Pxnga I Zv`i Melyj ä Z`_ I DcvE nru`Y dj vlij i Dci c@Z c@te`bnga hvBceR c@E mgtqi gta` wfvMq c@vbi ga`tg gncvPj K ginv`q ngtc tckKiY |

klvc@bt Rbe tgt GnQbj evix cvPj K (fZË) |

tj vKej t

1. Rbe Avd gngy, Dc-cvPj K (fZË) |
2. W tgt eRj vi iw`, mKvixcvPj K (fZË) (LÚkj x) |
3. Rbe tgt bRi qbj nK, mKvixcvPj K (fZË) (LÚkj x) |
4. Rbe tgt Ruv/xi Aj g, mKvixcvPj K (fZË) |
5. Rbe tnumBb tgnv\$ Avidx, mKvixcvPj K (LÚkj x) |

,i`ZcY@e`b t

esj v`iki Dckj fMI `j fM` Gj vKvgy`iq A`vea me@U c@ 97,324 eM@ktj wUvi {`j fM- 64,134 eM@ktgt Ges Dckj fM33,290 eM@ktgt (cvq)} Gj vki fZwëK gbvÍvqibi KvR ngv Kiv ntq tQ | GLvb Dlj E` th, AvyK fZwëK gbvÍqb tKšj nru`K@`kx fwa`v@`i cvwZ Kti tZy vi Rb` 5w Gj vKv Av`k@a`ti BD.GmR.Gm-Gi fwa`vM`Yi ZËeavb gbvÍvqibi Kg@Px ev`evb Kiv nq | Gme KvRi Av`ÁZv KvR j`vMq t`iki Ab`b` Gj vki fZwëK gbvÍvqibi Kg@Pxnga ev`evqZ nt`Q | B`Zvgt` AÍ klvntZ c@ 100w fZwëK c@te`b Rgv` qvntq tQ |

AÍ klvntZ iR`^e`RtU MvZ 2010-2013 tgvv`x@Pj bwj Gj vki tKvUibvixhM fZwëK BvZnm I Rj evqycweZ@bi Z`_c@Yw D`NubKti ngvš fZwëK gbvÍqb@ klR Dbqb Kg@Px ev`evqZ nt`Q | GB Kg@Px AvZvq e, ov wivRMÁ, b`vU, iRkux Ges bIM tRj vi Ašf@ Pj bwj I mbvZ Gj vki tgvU c@ 2800 eM@ktj wUvi Gj vki fZwëK gbvÍqb nru`b@Kiv vRABGm cxvZ fZwëK gbvÍ I Ab`b` Avy`wK b`vc@Z Kivnt`Q | fZwëK gbvÍvqibi dtj B`Zvgt`B tek wQvAkve`ÁK ,i`ZcY@Z`_ D`NwZ ntq tQ |

emi`b Kg@Px ngu ev`evbKj x mgtq f-c@`-f-c@oi KvQKwQ `f MxiZvq A`vea c@ c@ nkj LwR nru`i i gRy AÍ klv Ave`vi Kti | Ave`Z LwRi gta` ntZ Dlj LthM nj - cUKj v tKj vgtRv

ewNqv v wj, nKjyK nLi, wj tRqwiqv ePewoqv PKwiqv KZewqv ginkLjx tckqv iWBi, tMcyj MÄ, Uswcvo, tKujxvov dKinu, tgyvnu, igcyj, tZilv v `Njyqv t`Š Zcy, dj Zj v Kqiv Wgyqv k`gbM, t`enUv Gj vkm wfbö`vb, KuP ewjt tPSi Mq, ewej, nMÄ, kmvRæRvi, Avbqviv eukLjx tckqum wfbö`vb, Pbvgt gqgbwmsn, tkiçj, Avbqviv eukLjx tckqv igyK. eRvi, tUKbvd Gj vkm wfbö`vb, fux gWkt K. eRvi, tFvj v ewkj, cUqLjx tUKbvd, tmbwqv Öcmm Dckjx Gj vki wfbö`vb, Pbcv_it UtkiNu-j vKvUv-j vKvQov Gj vKv Ges tMugwUÖ Öc, b`xewZ Kqv v gRyt Kj gKv v DcRj vi d`b Gj vKv byo cv_it cÄmb-eyogwi Gj vKv I K. eRvi-tUKbvd Gj vKv wgy ewjt Pu çj I tFvj v tRj vi AšM tgnvb`x PAMq tRj vi m`yI gZgüixb`x K. eRvi tRj vi tiRyLj, gwPv Lj I tmbwqv Öc BZ`w `vb| BU`Zwi Ku vgt PAMq tRj vi mZKÜ I gxiimiB DcRj v Ges igyI K. eRvi m i DcRj v cwo I cv t`iki Kv v cv_i I tkj, Kj vqv Zj v mZ[xivm`i m wfböGj vKv Uvj t`Zwi Kv v Kj vqv I mZ[xivm`i DcRj v mZ[xiv tRj v|

KgPx1t cÜv tMzi ce`ck`nsj MgwKMA tRj vi nwi gcy, vkej q I t`Š Zcy DcRj v mgyi fZwEK I cKškj fZwEK gbwI qb|

Dik` t

1 t 50,000 t`çj ewj v`iki DcRj v vEK fZwEK gbwI `Zwi RvZx Diik`K mgib tiiL Ges `bxq chq DcRj v vEK Dbqb Ask Mäyi Diik` Kgxw cöw AKvi tck Kivnj | GLvb Dij E` th, Gj vkw m`e` cÜv 2q tMzi ce`ck`AewZ nI qq tMzi ce`sthMmoK GB Gj vki ga` w`q w`Z nI qvi m`ebv i`q`q| GB wtePbv DcRj v t`qi f-ZwEK gbwI qb LpB ,i`Zcy fZwEK gbwI qb Kvj b ng`q mgM Gj vki fMwbK `web`m I be` f-Av`y` tbi vPyngu mbv³ KiY, feüv I cjj Ae`t`ici w`kly BZ`w Kiv n`q `vK hvi v`Z GKW cy` fZwEK c`te`b çqb Kiv nq| fZwEK gbwI qb Aİ Gj vki AeKw`gMZ Dbqb h_viv`WU, eR, Kj fU`bg, AewmK I ki Gj vki `b wa`Y, cöngb b`w kvb, fgi h`h` e`eni, cwtékMZ ngm`vgy vPyZKiY Ges Zv`vnt`bi Dcv Abm`b cöZ K`R mqvK f`gKv cy b KiZ cvt|

mweRf`te Kgxw th me t`t`i f`gKviL`Z cvt Zi msv`B ebv`vP t`q`vj -

- K) fZwEK Rvc I Abm`v`bi ga`g e`eni Dc`hWk t`çj (1:50000) cöwZ Gj vki fe`KvZK, fZwEK I Avy`vK gbwI çqb|
- L) gbwI v`t`bi ga`g cjj ZwEK Z`w` m`Mö Kiv Ges tKvUv`vix`h`M `web`m w`v`b Kiv|
- M) cöwZ Gj vki b`-b` xi MZc_ cweZ`bi BZ`vnmD`Nvb Ges be` f-Av`y` tbi n`1/2 MZc_ cweZ`bi m`úK`Abm`v`b|
- N) cvtékMZ I c`KvZK `h`Mh`_v`v, Liv So, b`w f`v`b BZ`w m`úK`e` w`Z Z` m`Mö Ges cvték Dbqb w`lqK c`gk`v|
- O) t`f M`xiZi L`vRm`c` vPyZKib Ges c`B L`v`Ri A`v`vZK ,i`Zj wtePbv I m`Wk e`enti c`gk`v`v|
- P) cvb w`Áv m`sv`S-Z`-Dcv` m`Mö I w`kly|
- Q) kni I Ab`v` ,i`Zcy`Dbqb tK`^`a` (tM` tM`Ui) Gj vki fe`Kškj K Abm`v`b cv`Pj bv Kiv|
- R) m`sj Z Z` I Dcv`Ei mweR chq v`bv Ges f`c`KvZK Ae`v`I cjj c`v`zi v`v`Z fgi fwl`r m`e` e`eni m`ck`Z c`gk`v`v|

KgPx2 t cÜv tMzi ce`ck`nsj MgyMA tRj vi Uweox gyMA m`i I MRwiqv DcRj v mgyi fZwEK I cKškj fZwEK gbwI qb|

Dik` t

1 t 50,000 t`çj ewj v`iki DcRj v vEK fZwEK gbwI `Zix RvZx Diik`K mgib tiiL Ges `bxq chq DcRj v vEK Dbqb Ask Mäyi Diik` Kgxw cöw AKvi tck Kivnj | GLvb Dij E` th, Gj vkw m`e` cÜv 2q tMzi ce`ck`AewZ nI qq tMzi ce`sthMmoK GB Gj vki ga` w`q w`Z nI qvi m`ebv i`q`q| GB wtePbv DcRj v t`qi f-ZwEK gbwI qb LpB ,i`Zcy fZwEK gbwI qb Kvj b ng`q mgM Gj vki fMwbK `web`m I be` f-Av`y` tbi vPyngu mbv³ Kib, feüv I cjj Ae`t`ici w`kly BZ`w Kiv n`q `vK hvi v`Z GKW cy` fZwEK c`te`b çqb Kiv nq| fZwEK gbwI qb Aİ Gj vki

AeKWigWZ Dbqb h_viv wU, eR, Ky fU@bg@, AwewK I wki Gj wki `b wa@Y, cöngb b` knb, fgi h_h e`envi, cwitekMZ mgnvngv WvZ Kib Ges Zvwinibi Dcvq Abvüb cöwZ KfR mmqK fvgKv cyj b KiZ cti |

mweRfve KgnPw th me t[ti fvgKviLIZ cti Zvi msv[B ebövdP t` qvj -

K) fZwEK Rvc I Abvübi ga`tg e`envi Dc`thwK t` t` (1:50000) cöwZ Gj wki feöKZK, fZwEK I AvyWk gbwP cöqb |

L) gbwP qibi ga`tg cjj ZwEK Z_`w` msMö Kiv Ges tKvUibvixhM `ieb`m wv@b Kiv |

M) cöwZ Gj wki b`-b` xi MZc_ cweZ@bi BZnmD`NÜb Ges be` f_A@` y tbi m½MZc_ cweZ@bi mruK@Abvüb |

N) cwitekMZ I cöKZK `th@h_`veb`v Liv So, b` fv/b BZ`w` mruK@e` wZ Z_` msMö Ges cwitek Dbqb wLqK cigk` b |

O) `f MxiZvi LwRm@c` WvZKib Ges cö LwRi A_@wZK ,i`Z; wtePvI mWK e`ençii cigk` `b |

P) cwö wÁb msvš-Z_`-DcvE msMö I wtklY |

Q) kni I Ab`b` ,i`ZcY@Dbqb tK`^a(tMö t`mUi) Gj wki feKškyK Abvüb cwPj bvKiv |

R) msvjZ Z_` I DcvEi mweR ch@j PbvGes f_cöKZK Ae`vI cjj cüzi wvEIZ fgi fvel`r mve` e`envi mckKZ cigk` b |

**kLvt wj we`vI gwKwe`v
(Brancht Petrology and Mineralogy)**

`wZ;I Kh@j x

fZwEK Kh@mgm`n wjvI gwK msvšI wvboaiibi MelyvI wtklYi Rb` `eÁwbK hš;I cöw MZ mthwWZvcöb GB kLvi gj j` | GB j t` Aw`Bi I Aw`Bii ewPZ fZwEK wvboKh@ig wj we`vI gwK msvšI wtklY I Melyv cwPj bvi ga`tg cñvRbx mthwWZvcöb, wj we`vI gwKwe`v t`÷`fi fZwEK emi½ibi KfR e`eüZ cñvRbx hšcwZ msMö, msiY I Pw`v Abjvqx mieiv Kiv, wj we`vI gwKwe`v msvšI wtklYZK I MelyvLx Kh@g cwPj bv ceR Z_`eüj cöte`b cöqb | MelyvjK KgnPngn I Zv`i Melyj ä Z_` I DcvE msvjZ dj vti i Dci cöZ cöte` bngn cöqb |

kLvcöbt Rbe mB`j t`nçnb, Dc-cwPj K (fZË) |

tj wj t

1. Rbe tgnv\$ Awidz4gub, mKvixcwPj K (fZË) |
2. tMg kvZR Kwg, mKvixcwPj K (fZË) |
3. tMg kv b Zyj K`vi, mKvixcwPj K (fZË) |
4. Rbe iwRe Kvi mny, mKvixcwPj K (fZË) |

,i`Zcb@Ae`bt

K) ,ii`Zcb@LwR WvZKib I e`ençii wKw t` kbvcöb |

L) wvboakj vbgbv (cyj yK, ifvšI wZ, I AvMpkj v) wtklYKiY, AvyxY hš;I iÄb ikY wtklYi Rb` wb t`mKkb `BW t`Möb `BWI tK`-`BWCöZKiY, hgbngani %akó, ,bv,Y wbb@ gwKngn WvZKiY, wnf Gby vBum nBtWgUi Gby vBum |

M) gwKngani AvyWZK nvi wYqi ga`tg wj vgbvngani bvg I ,bv,b ngani Avj vKcZKiY |

N) e`gdig@ ga`tg fvixgwK c_K Kti AvyxY hš;I iÄb ikY ga`tg fvixgwK WvZKiY |

2014-2015 A_@erntii KgnPt

KgnP-1 t ÖKtkviMÄ tRj vi cKw`qvDc tRj vt` tK`^fie Dc tRj vchšI cyZb epcy` b` I wtkviMÄ tRj vi `fie Dc tRj vt` tK` Pucj tRj vi mBgPi Dc tRj vchšI tgnbv` xi cjtj i gwK nbv³ Kiti Rb` fZwEK Abvüb |

5. GSB Proceedings – 1W
6. Abstract Volume – 1W

D'P wqvi Rb' tciY/wq vQWZ _vKvKgRZwY

fZËj (wigt® KgRZwYi nBikvUgJ ggj v_wvq tR'ôZvM' nje bv)

1. Rbe Abtgl Zyj K`vi, mKvixcwPj K (fZË) (gy tqkqv) |
2. Rbe tgt tnvnb Lni“, mKvixcwPj K (fZË) (gy tqkqv) |
3. Rbe kvb Zyj K`vi, mKvixcwPj K (fZË) (gy tqkqv) |
4. Rbe tgt gngy tnvnb Lv, mKvixcwPj K (fZË) (bi I tq) |
5. Rbe tgt by 3/4 gvb meR, mKvixcwPj K (fZË) (gy tqkqv) |
6. Rbe tgt Aveymtqg, mKvixcwPj K (fZË) (gy tqkqv) |
7. Rbe tgnv\$ Aj gMi Kexi, mKvixcwPj K (fZË) (gy tqkqv) |
8. Rbe tgnv\$ wtiR Aj g, mKvixcwPj K (fZË) (gy tqkqv) |
9. Rbe mi I qr Rvxb, mKvixcwPj K (fZË) (gy tqkqv) |
10. Rbe bRI qbj nK, mKvixcwPj K (fZË) (gy tqkqv) |
11. Rbe `mq`v tRmgb nK, mKvixcwPj K (fZË) (gy tqkqv) |
12. Rbe tgt tntnj ivv, mKvixcwPj K (fZË) (gy tqkqv) |
13. Rbe tgt i`tej tkL, mKvixcwPj K (fZË) (gy tqkqv) |
14. Rbe Afbqvi m`v gnv\$ mtqg, mKvixcwPj K (fZË) (gy tqkqv) |
15. Rbe di`K umBb, mKvixcwPj K (fZË) (gy tqkqv) |

fe`v`@`

16. Rbe tgnv tntj g tiRv, mKvixcwPj K (f-c`v`P(gy tqkqv) |

Ab`b` ns`vq nskó/ tciY/ yjqib _vKvKgRZwY

LwR mfc` Dbqb eyiv(wGgW)

1. Rbe gCb Dw b Avt\$, Dc-cwPj K (fZË) |
2. Rbe tgt Aj xAKei, Dc- cwPj K (fZË) |
3. Rbe tgt wqRj Bmj g, mKvixcwPj K (imqb) |
4. Rbe tgt gghy ikx, mKvixcwPj K (wys ctkkj) |
5. Rbe Gm Gg, Akivdj Afewb Avk, mKvixcwPj K (imqb) |

nBikvUgJ BDvU (tciY KgPZ)

1. AveymC` tgnv\$ dqmj, mKvixcwPj K (fZË) |
2. tgin`xnvb, mKvixcwPj K (wys ctkkj) |

vRGme Gi wQy, i'ZcY@ewwKwW/wg

GwUwiyj tev® cwPj K I wfvMq cöb-1, mfvvZ |

1. cwPj K I wfvMq cöb-2, m`m` |
2. kvLvcöb (f-c`wR Z_` wtkY I hšcwZ i`Yte`Y), m`m` |
3. kvLvcöb (e`kK imqb), m`m` |
4. kvLvcöb (cwtek fZË; I cöwZK `th), m`m` |
5. kvLvcöb (fZwEK gubvI qb I tKvU@bvixfZË), m`m` |
6. kvLvcöb (c`kvbI cö`Y), m`m` |
7. Rbe bwgvnj Zbv, cöb MëMwK, m`m` mPe |

cöZ `BgvmKgc` GKei
tev® wls Ki`eb Ges
cöZte`b `wLj Ki`eb |

cüi cöqb KwUt cwPj K I wfvMq cöb-2, mfvvZ |

1. kvLvcöb (A`wZK fZË) m`m` |
2. kvLvcöb (f-c`wR Z_` wtkY I hšcwZ i`Yte`Y), m`m` |
3. kvLvcöb (e`kK imqb), m`m` |

4. kvlvcöb (Lbb cĭKšj), m`m`|
5. kvlvcöb (fZwĕK gbwĭqb I †KvU@bixfZĒ), m`m`|
6. kvlvcöb (cwKÍbvI ev`Zeqb), m`m`|
7. Rbe †gt vRqDj nK Zcv`i, M̄elYvAwmi, m`m` mPe|

cĭi hPB I cixwY Kgwĭt cwPj K I wfvMq cöb-1, mfvvZ|

1. cwPj K I wfvMq cöb-2, m`m`|
2. kvlvcöb (cwĭtek fZĒ;I cĕKvZK `h@), m`m`|
3. kvlvcöb (cwKÍbvI ev`Zeqb), m`m` mPe|

fZwĕK Ae`b m̄uKZ Qocĭ Kgwĭt cwPj K I wfvMq cöb-2, mfvvZ|

1. kvlvcöb (cwĭtek fZĒ;I cĕKvZK `h@), m`m`|
2. kvlvcöb (fZwĕK gbwĭqb I †KvU@bixfZĒ), m`m`|
3. kvlvcöb (bM I cĭKšj fZĒ), m`m`|
4. kvlvcöb (DcKjxq I mgwK fZĒ), m`m`|
5. Rbe †gt Kgi`j Anmb, Dc-cwPj K, m`m` mPe|

RvZxq i`xPĭ †Kšj ev`Íeqb m̄uSĭ `bvZKZvKgwĭt cwPj K I wfvMq cöb-2, mfvvZ|

1. kvlvcöb (Acĭikb I ngšq), m`m`|
2. kvlvcöb (eĭkwK imqb), m`m`|
3. kvlvcöb (Lbb cĭKšj), m`m`|
4. kvlvcöb (cwKÍbvI ev`eqb), m`m`|
5. Rbe †gunv\$ Akiwĭj Kgyj, Dc-cwPj K (fZĒ), m`m` mPe I †dvKj cĭqU|

Bĭbĭfkb/AvBun/Iĭqe Wgt W †gunv wny Dvĭb, cwPj K, AnevqK|

1. †eMg bwngv†eMg, Dc-cwPj K (fZĒ), m`m`|
2. †eMg ny ZbvbwQwb bix Dc-cwPj K (fe`v`), m`m` mPe|
3. Rbe †gt Ruv`xi Ajg, mKvixcwPj K (fZĒ)|

wDR †j Ui Kgwĭt kvlvcöb (cwKÍbvI ev`eqb), mfvvZ|

1. †eMg bwngv†eMg, Dc-cwPj K (fZĒ), m`m`|
2. Rbe †gt mĭLb D¾qwb, mKvixcwPj K (fZĒ), m`m` mPe|

wvRĭj Ý Ugt kvlvcöb (Lbb cĭKšj), mfvvZ|

1. kvlvcöb (kw we`vI gwKwe`v), m`m`|
2. kvlvcöb (bM I cĭKšj fZĒ)|
3. kvlvcöb (KvU@b I gY)|
4. wivĕvKgKZ@ (m̄u`), m`m`|
5. cĕmbK KgKZ@1, m`m` mPe|

cĕ gw̄mKgcĭ GKei
wvRĭj Ý Ugi`wqZ;cj b
Kĭi cĕte`b`wĭj Kiĭeb|

w`vq nseabvKgwĭt kvlvcöb (Acĭikb I ngšq), AnevqK|

1. kvlvcöb (AvKlĭ I PzKx Rvĭc), m`m`|
2. Rbe Anĭg` AvZDj gbx, Dc-cwPj K (imqb), m`m` mPe|
3. Rbe L`Kv iweDj Bnjg, mKvixcwPj K (wYs cĭKšj), m`m`|
4. Rbe †gt †Qnive †nĭmb, wivĕvKgKZ@ (m̄u`), m`m`|
5. Rbe †gunv\$ Awid¾qwb, mKvixcwPj K (fZĒ), m`m`|

Rj wĭ I LwR m̄u` wfvM wvbwĕiĕYBm̄m Dm̄ebxKgRvĭUi Uv`Mĕ (gbbx cöb gšxi Kvhq)t

1. Rbe bwngv†eMg, Dc-cwPj K (fZĒ), m`m`|

bixwbhZb eĭUi jĭKĭ KgtcBU Kgwĭt Rbe bwngv†eMg, Dc-cwPj K (fZĒ), mfvvZ|

1. Rbe †Rr`w†eMg, M̄elYvKgKZ@ m`m`|
2. Rbe mĭIqr Rvĭb, mKvixcwPj K (fZĒ), m`m`|

3. Rbve w̄j i“evLvb, Aw¶K, m`m̄ mPe |
4. Rbve te`bvteMg, wŪg`b/Awlm m̄vqK, m`m̄ |

Pj gvb cĥĭ/KgĥPnga

K) Strengthening the Research and Exploration Capabilities of the Geological Survey of Bangladesh (STREC) |

Dĥĭ k` t

wRGmeŪ j`veĥi Uixnga AvaybKxKiY I tĥ wKej DbzKiĥYi gva`tg M̄elYvGes AbjŪb Khĥgmḡy t̄Rvi`vi KivG cĥĥĭ i gj Dĥĭ k` |

cĥĥĭ cŵPj Kt Rbve t̄gt Kgi`j Anmb, Dc-cŵPj K (fZĒ) |

tĥ wKej t

1. Rbve dvi`K nQb, mKvixcŵPj K (fZĒ) |
2. Rbve t̄gt wRqDj nK Zc`vi, M̄elYvKgRZĥ(LŪKj x) |

L) Geoinformation for Urban Development, Bangladesh

cĥĥĭ ngšĥKvix cŵPj K (fZĒ) I wfvMq cĥĥb-2 |

cĥĥĭ cŵPj Kt Rbve t̄gmv`š Avāy AwRR cŵUqvx Dc-cŵPj K (fZĒ) |

tĥ wKej t bM I cĥKšj fZĒ;kLv Rbej ŐivKgĥPw ev`ZewqZ nĥe |

cĥĥĭ/KgĥPx

1) wRGme-BI Gm-Gi Kinematics of the Bengal-Assam Syntaxis KgĥP

tĥ wKej t

1. W G,t̄K,Gg t̄Lviĥk` Aj g, cŵPj K (fZĒ) I wfvMq cĥĥb-1 (LŪKj x) |
2. Rbve Av`vi`j Anmb, mKvixcŵPj K (fZĒ) |
3. Rbve AvRni t̄nĥnb, mKvixcŵPj K (fZĒ) (LŪKj x) |

2) wRGme-wWGgw t̄hš Khĥg

cĥĥĭ ngšĥKvix Rbve t̄ikv` gn`š BKivg Aj x cŵPj K (fZĒ) |

tĥ wKej t cŵĥek fZĒ;I cĥKvZK`ĥMG`ĥm̄tgU kLv Rbej Őivcĥĥĭ w ev`ZewqZ nĥe |

3) iĥcy cvigvĥk w`yr cĥĥĭ Gj v̄vI mbwZ Gj v̄vi AvĥyK fZwĒK gbwĪqb Ges cĥĥĭ Gj v̄vi w`Í w̄Z cĥKšj fZwĒK Rvic |

tĥ wKej t

1. W G,t̄K,Gg t̄Lviĥk` Aj g, cŵPj K (fZĒ) I wfvMq cĥĥb-1 (LŪKj x) (ngšĥKvi x) |
2. Rbve w̄ivRj Bmj g Lb, cŵPj K (fZĒ) (LŪKj x) (KwiMxKvĥĥi cĥĥb) |
3. Rbve t̄ikv` gn`š BKivg Aj x cŵPj K (fZĒ) (LŪKj x) |

(cĥĥĭ ev`Í eqbKj x nḡtq cĥĥRĥb wfvbokLvGes kLv AšÍ M̄ f-wÁbxm̄kó Kivnĥe)

4) wRGme-GbRAB t̄hš Khĥg-2q chĥ

cĥĥĭ ngšĥKvix Rbve t̄ikv` gn`š BKivg Aj x cŵPj K (fZĒ) |

tĥ wKej t cŵĥek fZĒ;I cĥKvZK`ĥMG`ĥm̄tgU kLv Rbej Őivcĥĥĭ w ev`ewqZ nĥe |

5) w`ikl KgnPxt ev`ieb tRj vi i`gvDcRj vi eM t j K I iv/agwU tRj vi wj BQw DcRj vi cKzcovtj K
Gj Kwq "Reconstructing Paleo-monsoon from Lake Sediment" kxl R KgnPx

bZb cñi /KgnPx

1) esj v`tki b`xet`i ewj tZ gj`eb Lw t Ri Dcw Z wYq I A_ QwZK gj`qb |

cñi cwPj Kt cñi Abjgw Z nI qvi ci waW Z nte |
tj vKej t

1. Rbve tgt Aweym t qg, mKvixcwPj K (fZÈ) |
2. Rbve gvw S gOg, mKvixcwPj K (fZÈ) |
3. W tgt kgn t vgb, mKvixcwPj K (fZÈ) |
4. W tgt eRj vi ik`, mKvixcwPj K (fZÈ) |
5. Rbve tgt bV I qvby nK, mKvixcwPj K (fZÈ) |
6. Rbve %mq` v t Rmgb nK, mKvixcwPj K (fZÈ) |

GQovI cñi ev`Í eqbKj x mg t q wj we`v I gWkve`v kvLvm wvfbokvLv Ges kvLvi AŠÍ MZ f-wÁvXW Øiv
KgnPxU ev`ewqZ nte |

2) ngy`c joi D`PZvev RvZ` t hMe`e`vcbv t KŠj waW t Y fZ` AniY I g t Wjys (Rj eqycwvZÈ Uš dŪ)
cñi cwPj Kt cñi Abjgw Z nI qvi ci waW Z nte |
tj vKej t DcKj x I mgv K fZÈ; kvLv KZÈ KgnPxU ev`ewqZ nte |

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