

## Kvl ug gv`imv uk`vl e`e`v - GKul mgx`vl

### mPbv I cUfugt

gvbe m`u` Z\_v t`tki mmeR DbwZi GKgrI gva`g uk`vl | Avb-ueAvtbi Ame`vi I uk`vl-mwntZ`i ue`-vti gvyj gvb`i i`qtQ tmvbjx AZxZ | uKs`Avgrv`i uk`vl e`e`v bivmea Kvi`Y Zvi h\_vh\_ fvgKv cjt`b e`\_Zvi cwiPq w`qtQ |

G uk`vl e`e`vi Av`ukR `b` I j`qnxzv RvZxq Rxe`tb mwj Kti`Q Av`ukR kb`Zv, Rb`w`qtQ ci`ui we`ivax e`w`Zji Ges uk`vlKt`i gta`nZvki mwj nq |

Avgrv`i t`tki miKvi ubqws`z uk`vl e`e`vi aviv, tjv nt`Q t

(1) mvavi Y uk`vl — (K) cU`ugK, (L) gva`ugK I D`P gva`ugK, (3) D`P uk`vl;

(2) gv`i mvv uk`vl — (K) Ge`Z`vqx, (2) `vLj I Avvj g (3) dvrj I Kvjg;

(3) Kvi Mvi uk`vl |

G uk`vl e`e`vi aviv Qvovl miKvti i mivmi ubqsf`bi evBti GK cKvi uk`vl e`e`v cUvj Z i`qtQ, Zv`ntjv Klgr gv`i mvv uk`vl e`e`v | Guv 1931 mvj t`tk cwiPvj Z ntq Avmt`Q | G uk`vl e`e`vq miKvti i tKvb cZ`q mn`thvMZv tbB, mvavi Y gvb`y t`^ov cUyvw` Z ntq G mKj gv`i mvvq c`p`tcvIKZv `vb Kti`b |

eZg`v`b Gme gv`i mvvi msL`v cvBt nvrvti i Avak etj aviyv Kiv nq | G RvZxq gv`i mvvi uk`vl KveK`vtg mvavi YZt Avj -KzAvb, nwm`m I Zvdmxi, udkvn, Kvjvg, Avix mvinZ`, D`q dvm`AS-f` | G Qvov tKvb tKvb Klgr gv`i mvvq evsjv, Bst`Rx, MvY I mgvr ueAvb cov`bv nq | th`nZy miKvi `KZ. KZ`t`q`i Z`E`vartbi e`e`v tbB tm`nZzGme weqt`qi KviK`vtgi gvb m`u`K`m`b`ni h`o AeKiv i`qtQ | Klgr gv`i mvv, tjv we`v`b`etevW`P Avat`b cwiPvj Z nt`Q | Avevi uKQymKQygv`i mvv G me tev`W`P tKvbi`B Avt`b bv t`tk `Z`sf`ite ubt`Riv cwiPvj Z nt`Q |

G MtelYvi gj- D`f`k` ntjv Klgr gv`i mvvi uk`vl e`e`v`K cU`Z`vmbK ifc t`qvi j`t`q` GKul bmvZg`v`v cU`q`tb h\_vh\_ KZ`q`K c`v`g`k`c`v`b |

1978 mvj Xvki kv`q`-v Liv ntj Avy`Z Djvgt`q uk`vtgi RvZxq m`f`j`b evsjv`tki mKj Klgr gv`i mvv`K GK m`f` M`Z Kivi D`f`k` tedvK`z gv`vii mvj Avimeqv evsjv`k bvtg RvZxq ch`q` GKul cU`Z`vmb MVtbi cU`-ve me`m`z` f`v`te MpxZ nq | tm t`tkB tedvK`z gv`vii mvv uk`vl c`x`v`zi ms`vi I uk`vl g`b`v`b`q`b`i cU`P`ov Pvj`q` h`v`Q | G t`tki Klgr gv`i mvv mgr`gj-Z `vi`j Dj`g t`l`e`b`i Av`ukR AeKv`vtgvi w`f`v`E`Z cU`Z`vmb I cwiPvj Z ntq Avmt`Q |

### MtelYv c`x`v`z

উল্লেখিত গবেষণা কর্মে নিম্নলিখিত প্রক্রিয়া (instruments) MhY Kiv ntq`Qt

(K) Klgr gv`i mvv tev`W`mg` t`tk Z` msM`ni Rb` cK`v`j`v`v` cU`q`b` ;

(L) cK`e`f`i fiv I tK`skj Dbq`b`i Rb` u`c`v`U`v`-s`;

(M) Klgr gv`i mvv I tev`W`mg`ni `v`q`Z`c`v`B e`w`Z`i`i mv`vlrv`Kvi MhY, eZ`g`vb Ae`v` ch`f`e`q`y I cix`q`y ;

(ঘ) প্রাপ্ত তথ্যসমূহ বিশেষ YceR w`f`v`U`c`v`q`b |

### mgv`x`Zv t

MtelYv Kv`h`e`tg Kvlgr gv`i mvv uk`vl tev`W`mg`y Ges ube`m`PZ uKQzKvI ug gv`i mvv t`tk Z` msM`ni cwiKiv`v`v | uKs`t`tk tQvU eo cU`q` 19vU tev`W`P gva`tg Kvl ug gv`i mvvi uk`vl Kv`h`e`tg cwiPvj Z nt`Q | G`i`i`i`Kv`b` tKvb tev`W`-`v`x`b, Avevi Kqul tev`W`GK`f` tRvU f`z ev`td`W`v`i`k`b` f`z | Kvlgr gv`i mvv uk`vl tev`W`uk`vl cU`Z`vmb mgr`miv`vii miKvi ubq`sf`k`bv`v`v`q` tev`W`mg`y Ges tev`W`mg`y msj`Mag`v`i mvv, tjv`Z` `h`v`m`th`v`M` Kiv`Z` cU`v`b` Avixv`c`K`v`K` Kiv`nq | Ges t`K`D` t`K`D` tRvU ev`td`W`v`i`k`b` th`v`m`th`v`M` Kti`Z` msM`ni c`v`g`k`-b | tm`B` Avb`v`qx` tedvK`z` gv`vii mvj Avimeqv evsjv`k` (evsjv`k` Klgr gv`i mvv uk`vl tev`W`P KZ`t`q`i` mvt`-w`el`qul ubt`q` e`v`b`te`Bm` KZ`t`q`i` Avt`j`v`P`bvi` t`c`i`q`Z` Z`v`i` gva`tg` Z` msM`px`Z` nq |

tmB Zt`i wfiw<sup>3</sup>tZ GB MtelYvi KvhEitgi wicwU chqY Kiv nq/GgZve`iq cÜB DciEi mæubZv Ges  
wbf<sup>2</sup>Zvi melquU(Completeness and acuracy) wbuÖZ Kiv mæe nqub|

**MtelYvjã dj I mgyik t**

- 1| t`tk cÜq 19wU `raxb KI gx gv`vmv wkw<sup>1</sup>vw tevW<sup>1</sup>iq tqtQ|
- 2| cÜq 5,200wU Kvl gx gv`i vmiq AvbgyubK 14 j q<sup>1</sup> wkw<sup>1</sup>vw\_x<sup>1</sup>Aa`qbi Z|
- 3| cÜZövb wfiwEK cÜB Zt`i wfiwE<sup>2</sup>tZ Mo wkw<sup>1</sup>vw\_x<sup>1</sup>ZvKwgj (Kwgj mgyub) chiq 400 Rb, dvhxj vZ (dvRij mgyub) chiq cÜq 430Rb Ges mibwecv Dj vBqv (Awj g mgyub) chiq cÜq 325 Rb| Zte gva`wgK chiqi Z` bv cvl qv hvl qvq G`fi i Z` mub#ewkZ Kiv nq bvB|
- 4| gva`wgK I D`P gva`wgK `fi wkw<sup>1</sup>vw\_xi msL`v `B j t<sup>1</sup>q<sup>1</sup>i (200000) Gi Awak etj avi Yv Rtb<sup>1</sup>| Zte `wLj mgyv<sup>1</sup>bi `fi i wkw<sup>1</sup>vw\_xi tKvb Z` bv cvl qvq Zv mub#ewkZ Kiv hvqub| tmuU thvM ntj G`fi i wkw<sup>1</sup>vw\_xi msL`v Avti v evote etj gtb nq|
- 5| D`P wkw<sup>1</sup>vw (ZvKwgj I dvRij vZ) chiq wkw<sup>1</sup>vw\_xi msL`v cÜq GK j q<sup>1</sup> (100000) etj gtb nq|
- 3| Rwi c bgbv wntmte GB MtelYvq `yU KI gx gv`vmv wkw<sup>1</sup>vw tevW<sup>1</sup>Ges `yU KI gx gv`vmv t`tk Z` msmö Kiv ntqtQ| msh<sup>1</sup> Rwi c ckgvj v t`Lv thtZ cvti |
- 4| KI wkw<sup>1</sup>vw e`e`v t`tk cÜj Z Ab`vb` wkw<sup>1</sup>vw e`e`vi b`vq mi Kv<sup>1</sup>ti i Avl Zvq (Coverage) Avbri e`e`v tbi qv DvPZ|
- 6| Avtj vP` KI gx gv`i vmi Kwi KzvgtK mi Kvix ZEjeavtb Gtb Kwi Kzvgt wtkIA I I j vgv gvtqK<sup>1</sup> i mgstq GKUv KvguU Mvb Kti eZ<sup>1</sup>vb Kwi KzvgtK h<sup>1</sup>Mvc.thvMx I AvaybK Kiv thtZ cvti | cÜqvRtb bZb Z` DciE msthvRb Kti Kwi Kzvgt mg<sup>1</sup> Kiv thtZ cvti |
- 7| eZ<sup>1</sup>vb tQvUeo 19 wU Kvl gx wkw<sup>1</sup>vw tevW<sup>1</sup> `raxb fite cwi Pwj Z bv ntq G<sup>1</sup> i g<sup>1</sup>a` mgstqi gva`tg GKB avi vq gv`i vmi wj tK`iq fte cwi Pwj Z nI qv Avek`K| G Qvov cÜZövb mgr cÜZwU `fi w`gub tevW<sup>1</sup>mg<sup>1</sup>ni AbsvZ `vKvi weavb Pij yKiv cÜqvRb|
- 8| RvZvq chiq cÜZ.wkw<sup>1</sup>vw\_x<sup>1</sup> msL`v wby<sup>1</sup>qi t<sup>1</sup>q<sup>1</sup>t<sup>1</sup> KI gx gv`i vmiq Aa`qbi Z wkw<sup>1</sup>vw\_x<sup>1</sup> i msL`v msthvRb Kiv cÜqvRb|
- 9| KI gx wkw<sup>1</sup>vw cÜZövb mg<sup>1</sup>ni cÜZ.Ae`v Rivri Rb` GKwU Base Line Survey Kiv GKv<sup>1</sup>š<sup>1</sup>Ri` ix| GQvov Ab`vb` wkw<sup>1</sup>vw e`e`vi b`q e`vbteB<sup>1</sup>tm KI wkw<sup>1</sup>vw mæumK<sup>1</sup> WvU<sup>1</sup>teR cÜqb Kiv cÜqvRb|