**Module:**

**‡j` †gwkb Acv‡ikb**

**(Lath Machine Operation)**

**BDwbUt 1**

**R‡ei bvgt wms‡Mj c‡q›U KvwU©s Uzj MÖvBwÛs Abykxjb Kiv|**

Kv‡Ri avivt

* cÖ\_‡g wbivcËv g~jK miÄvg¸‡jv (PPE) cwiavb Ki**|**
* **MÖvBwÛs ûBj wbe©vPbt** cÖ\_‡g †j` Uzj weU †\_‡K ‡ekx avZz ¶q Kivi Rb¨ ivd Ges c‡i wdwbwks Kivi Rb¨ wdwbwks MÖvBwÛs ûBj wbe©vPb Ki‡Z n‡e|
* **wbivc‡` MÖvBwÛs †gwkb Pvjv‡bv t** MÖvBwÛs ûBj gyL Ge‡iv-‡\_e‡iv \_vK‡j MÖvBwÛs ûBj †Wªmvi w`‡q gyL mgvb K‡i wb‡Z n‡e| cÖ\_‡g Uzj weU‡K nv‡Zi mvnv‡h¨ awiqv nvZwU‡K Uzj‡i÷ Gi Dci Ggb fv‡e ivL †hb Uzj weU‡K B‡”QgZ Gw`K Iw`K bov‡bv hvq| cÖ\_‡g d«›U wK¬qv‡iÝ G‡½j †`Iqvi Rb¨ Uzj we‡Ui mvg‡bi As‡ki bxP n‡Z ïiy K‡i Dci ch©šÍ MÖvBwÛs Ki| GLb Uzj we‡Ui Dc‡ii Ask Ggb fv‡e MÖvBwÛs ûB‡j Pvwc‡q ai †hb Uzj we‡Ui wcQ‡bi w`‡K GKB ms‡½ †h cvk¦© w`‡q Uvwbs Kwi‡e Zvi Dëv cv‡k¦© G gvj †ekx ¶qnq| Gevi mvBW wK¬qv‡iÝ Ges mvBW wiwjd G‡½‡ji Rb¨ Uzj we‡Ui cvk¦© cÖ\_‡g bxP nB‡Z Dc‡ii w`‡K Ges wcQb nB‡Z mvg‡bi w`‡K MÖvBwÛs Ki| Dc‡ii †P‡q wb‡Pi w`‡K gvj †ekx ¶q Kwi‡e| MÖvBwÛs †k‡l Uzj we‡Ui avi‡K AviI my›`i Kwi‡Z Pvwn‡j I‡qj †÷vb G AviI GKevi K‡i N‡l †bIqv fvj| GLb Uzj we‡Ui G‡½j ¸wj wVK Av‡Q wKbv Zv wPÎ Abyhvqx cix¶v K‡i bvI|

**‡¯úwmwd‡Kkb kxU**

**(Specification Sheet)**

PPEt

* G¨v‡cÖvb - 1 wU
* ‡mdwU MMjm - 1 wU
* ‡mdwU my - 1 wU
* n¨vÛ †Møvfm -1wU

**hš¿cvwZ (Tools and Equipments)**t

* †cwWóvj MÖvBwÛs †gwkb- 1 wU
* ‡mdwU MMj&m- 1 wU
* †j` UzjweU- 1 wU
* we‡fj cÖ‡UKUi, - 1 wU
* †gwkb eªvk, - 1 wU

 Kzj¨v›U|

**gvjvgvj (Materials)** t

* e¨vm t 3/4′′×3/4′′×6′′ eM©vKvi Gg.Gm. evi|

**WªBs (Details Drawing)**t



**BDwbUt 2**

**R‡ei bvg t U¨vcvi Uvwb©s|**

Kv‡Ri avivt

* cÖ\_‡g wbivcËv g~jK miÄvg¸‡jv (PPE) cwiavb Ki**|**
* cÖ`Ë gv‡ci GKwU Re jI Gici RewU hw` evuKv \_v‡K Zvn‡j G¨vbwf‡ji Dci ivwLqv n¨vgvi Øviv †mvRv Kwi‡Z nB‡e|
* Bnvi ci RewU †gwk‡bi Pv‡K euvwaqv mvi‡dm †MR Gi mvnv‡h¨ wbDUªvj Kwi‡Z
* nB‡e| w\_ª ÒRÓ PvK nB‡j wVK gZ UvBU w`‡Z nB‡e|
* †Pv‡Li wbivcËvi Rb¨ †Pv‡L ‡mdwU MMj&m cwiqv †gwk‡bi m~BP Ab Kwi‡Z
* nB‡e Ges K¤úvDÛ †i÷‡K 4.27ο wWMÖx‡Z euvwa‡Z nB‡e|
* RewU †dwms Kivi ci eo Wvqvi gv‡ci Uvwb©s Kwi‡Z nB‡e| Gi ci K¤úvDÛ ¯øvBW NyivBqv Av‡¯Í Av‡¯Í †Ucvi KvwU‡Z nB‡e| hLb †QvU Wvqv gvc wVK nB‡e ZLb
* eo Wvqv Ges U¨vcvi ‡jš’ I wVK nB‡e|
* fvwY©qvi ¯øvBW K¨vwjcv‡mi mvnv‡h¨ gvc¸wj †PK Kivi ci dvBwjs Ges GgvwiK¬\_ Gi mvnv‡h¨ wdwbwks Kwiqv †gwkb eÜ Kwi‡Z nB‡e|
* Bnvi ci cøvw÷K eªv‡ki mvnv‡h¨ †gwkb nB‡Z wPc&m cwi¯‹vi Kwiqv †gwk‡bi cÖ‡qvRbxq mg¯Í As‡k gwej I MÖxR w`‡Z nB‡e|

**‡¯úwmwd‡Kkb kxU**

**(Specification Sheet)**

**PPEt**

* G¨v‡cÖvb - 1 wU
* ‡mdwU MMjm - 1 wU
* ‡mdwU my - 1 wU
* n¨vÛ †Møvfm -1wU

**hš¿cvwZ (Tools and Equipments)**t

* mvi‡dm †MR- 1 wU
* fvwY©qvi ¯øvBW K¨vwjcvm©- 1 wU
* ÷xj iyj- 1 wU
* PvKwK- 1 wU
* e·‡iÝ- 1 wU
* ¯§y\_ dvBj- 1 wU
* n¨vKm - 1 wU
* †j` †gwkb- 1 wU
* KvwU©s Uzj-1wU |

**gvjvgvj (Materials)** t

* Dia 1′′×3.5′′GKwU Gg, Gm, iW Ges cwjgvi|

**WªBs (Details Drawing)**t

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**BDwbUt 3**

**R‡ei bvg t Mªyf Uvwb©s|**

Kv‡Ri avivt

* cÖ\_‡g wbivcËv g~jK miÄvg¸‡jv (PPE) cwiavb Ki**|**
* cÖ`Ë gv‡ci GKwU Re jI Ges RewU hw` evuKv \_v‡K Zvnv n‡j Gbwf‡j Dci ivwLqv n¨vgvi Øviv †mvRv Ki|
* Gi ci RewU †gwk‡bi Pv‡K evwaqv wbDUªvj Kwi‡Z nB‡e| wbDUªvj Kivi ci Pv‡Ki ÒRÓ ¸wj wVK gZ UvBU w`‡Z nB‡e| Gi ci Uzj weUwU ‡m›Uvi Kwiqv Uzj †cv‡ó evwa‡Z nB‡e| Uzj ‡cv‡ói †evë ¸wjI wUK gZ UvBU w`‡Z nB‡e|
* †Pv‡Li wbivcËvi Rb¨ †Pv‡L †mdwU MMj&m cwiqv †gwk‡bi myBP ÒAbÓ Kwi‡Z nB‡e|
* Uzj †cvówU evg w`‡K wKQyUv †Kvb Kwiqv Uzj ‡cvówU Avevi †mvRv Kwiqv euvwa‡Z nB‡e|
* Gi ci K¨v‡iR ûBj NyovBqv 40 wg. wg. cwigvb.ˆ`‡N¨©i 15 wg. wg. WvqvwgUv‡ii Uvwb©s Kwi‡Z nB‡e| 50 wg. wg. cwigv‡bi cÖ\_gZ 20 wg. wg. Ges †k‡li 20. wg.wg.ev` `qv gv‡Si 10 wg. wg. Gi WvqvwgUvi cvwU©s Uz‡ji mvnv‡h¨ 10 wg. wg. Kwi‡Z nB‡e|
* fvwY©qvi ¯øvBWK¨vwjc©v‡mi mvnv‡h¨ MÖyf Gi WvqvwgUvi 15 wg. wg. n‡q‡Q wKbv Zv cix¶v Kwi‡Z nB‡e| Ges cybivq †gwkb Pvjy Kwiqv dvBwjs Ges Ggvwi K¬\_ Gi mvnv‡h¨ wdwbwks Kwi‡Z nB‡e|

**‡¯úwmwd‡Kkb kxU**

**(Specification Sheet)**

**PPEt**

* G¨v‡cÖvb – - 1 wU
* ‡mdwU MMjm - 1 wU
* ‡mdwU my - 1 wU
* n¨vÛ †Møvfm -1wU

**hš¿cvwZ (Tools and Equipments)**t

* mvi‡dm †MR - 1 wU
* fvwY©qvi ¯­vBW K¨vwjcvm© - 1 wU
* ÷xj i“j - 1 wU
* PvKwK - 1 wU
* e·‡iÝ - 1 wU
* ¯§y\_ dvBj - 1 wU
* n¨vKm - 1 wU
* †j` †gwkb - 1 wU
* KvwU©s Uzj -1wU |

**gvjvgvj (Materials)** t

* Dia 25.4mm ×60mm GKwU M.S iW|

**WªBs (Details Drawing)**t



**BDwbUt 4.1**

**R‡ei bvg t mvi‡dm bvwj©s Kiv |**

Kv‡Ri avivt

* cÖ\_‡g wbivcËv g~jK miÄvg¸‡jv (PPE) cwiavb Ki
* Re‡K Pv‡K euvwaqv wbDUªvj Ki|
* Uzj †cv‡÷ KvwUs Uzj euva Ges Re‡K wbw`©ó gv‡c Uvwb©s Ki|v‡÷ Ab¨ cv‡k¦© euva, GKUz evg w`‡K 50 euvKv K‡i|
* AZci, UzjweU †hfv‡e R‡ei Dci Uvwb©s Ki H iKg K‡i bvwj©s Uzj PvjvI| bvwj©s UzjGes R‡ei
* gvSLv‡b gwej `vI|
* GB fv‡e KvRKivi ci †gwkb eÜ Ki Ges cwi¯‹vi Ki|

**‡¯úwmwd‡Kkb kxU**

**(Specification Sheet)**

**PPEt**

* G¨v‡cÖvb - 1 wU
* ‡mdwU MMjm - 1 wU
* ‡mdwU my - 1 wU
* n¨vÛ †Møvfm -1wU

**hš¿cvwZ (Tools and Equipments):**

* mvi‡dm †MR- 1 wU
* fvwY©qvi ¯øvBW K¨vwjcvm©- 1 wU
* ÷xj iyj- 1 wU
* PvKwK- 1 wU
* e·‡iÝ- 1 wU
* ¯§y\_ dvBj- 1 wU
* n¨vKm - 1 wU
* †j` †gwkb- 1 wU |
* bvwj©s Uzj- 1 wU

**gvjvgvj (Materials)** t

* e¨vm 25wg. wg. ×70 wg. wg. GKwU Gg.Gm. iW|

**WªBs (Details Drawing)**t **All dimantions are in mm**



**BDwbUt 4.2**

**R‡ei bvg t ‡j` †gwk‡b wWªjKiY|**

Kv‡Ri avivt

* cÖ‡qvRbxq wbivcËv miÄvg ¸‡jv cwiavb Ki|
* mwVK gv‡ci wWªj weU bvI|
* wWªj weU wWªj Pv‡K fvjfv‡e eva|
* Kvh©e¯‘‡K wWªj Kivi Rb¨ gvwK©s Ki|
* gvwK©s Kiv ¯’v‡b Av‡¯Í Av‡¯Í wdW w`‡q wWªj Ki|
* wWªj Kivi mgq ey‡j›U e¨envi Ki|
* wWªj Kivi mgq mveav‡b wWªj Ki hv‡Z wWªj weU bv fv‡½|
* KvR †k‡l wWªj weU †Lvj Ges †gwkb eÜ K‡i cwi®‹vi K‡i ivL|

**‡¯úwmwd‡Kkb kxU**

**(Specification Sheet)**

PPEt

* G¨v‡cÖvb - 1 wU
* n¨vÛ ‡Møvfm - 1 †Rvov
* MMjm - 1 wU
* ‡mdwU my - 1 wU

**hš¿cvwZ/ †gwkb t**

* wWªj †gwkb -1 wU
* wWªj weU -1 wU
* wWªj PvK -1 wU

cÖ‡qvRbxq KvPuvgvjt

* MS Rod and Polymar

**WªBs (Details Drawing) t**



**BDwbUt 5**

**R‡ei bvg t ‡j` ‡gwk‡bi mvnv‡h¨ ‡\_ªW KvwUs|**

Kv‡Ri avivt

* cÖ\_‡g wbivcËv g~jK miÄvg¸‡jv (PPE) cwiavb Ki
* cÖ`Ë gv‡ci GKwU Re jI | Re‡K †j` †gwk‡bi Pv‡K wbDUªvj K‡i euva Ges cÖ‡Z¨K wU ÒRÓ k³ K‡i UvBU `vI|
* UzjweU wVK †m›Uvi K‡i ‡eu‡a bvI| Uzj †cv‡ói †evë ¸wj wVKgZ UvBU Av‡Q wKbv Zv †PK K‡i bvI|
* †Pv‡Li wbivcËvi Rb¨ †mdwU Pkgv c‡i †gwk‡bi m~BP Ab Ki| AZci, †dwms K‡i RewU Uviwbs Ki| Uviwbs K‡i RewU 1′′/2 WvqvwgUvi 21′′/2 j¤^v Ki‡Z n‡e|
* AZci †\_ªwWs Uzj Uzj‡cv‡ó †mvRv Kwiqv euvwa‡Z n‡e| †\_ªW msL¨v Pv‡U© wgjvBqv wjfvi A-B A\_ev C ‡Z w`‡Z n‡e Ges jxW ¯Œz Pvjy Kwi‡Z n‡e|
* Gi ci nvdbvU wjfvi Pvwcqv †\_ªW KvUv Avi¤¢ Kwi‡e| GKB ‡Wc\_ -G K‡qK evi PvjvB‡Z n‡e| AZci †Wc\_ evivB‡Z n‡e| GB fv‡e †\_ªW Gi KvR †kl Kwi‡Z n‡e|
* †gwkb eÜ K‡i gvc †PK Ki‡Z n‡e †h †\_ªW wVK nBqv‡Q wKbv, Gi Rb¨ †\_ªW †MR e¨envi Ki‡e|

**‡¯úwmwd‡Kkb kxU**

**(Specification Sheet)**

**PPEt**

* G¨v‡cÖvb - 1 wU
* ‡mdwU MMjm - 1 wU
* ‡mdwU my - 1 wU
* n¨vÛ †Møvfm -1wU

**hš¿cvwZ (Tools and Equipments)**t

* mvi‡dm †MR, fvwb©qvi ¯øvBW K¨vwj©cvm, ÷xj iyj, PvKwK, e·‡iÄ, n¨vgvi, ¤§y\_dvBj, n¨vK&m, †\_ªW †MR I ‡j` †gwkb|

**gvjvgvj (Materials)** t

* e¨vm 3/4×7′′ GKwcP Gg.Gm. iW I cwjgvi|

**WªBs (Details Drawing)**t

 **e¨vm 8 wg.wg.**

**All dimantions are in mm**

**BDwbUt 6**

**R‡ei bvg t ‡j` ‡gwk‡bi mvnv‡h¨ bvU-‡evë ˆZix Kiv (External & Internal Thread) |**

Kv‡Ri avivt

* cÖ\_‡g wbivcËv g~jK miÄvg¸‡jv (PPE) cwiavb Ki
* cÖ\_‡g e¨vm 1′′ j¤^v 5.5′′ GK UzKiv Gg.Gm. iW KvwU‡Z n‡e|
* Zvici wP‡Îi gvc Abyhvqx e¨vm 15/16′′ Uvwb©s Kwi‡Z n‡e|
* †ev‡ëi †nW Ges bv‡Ui gvc Abyhvqx ev` w`‡q evKx Ask 1/2′′ Wvqvi Uvwbs Kwi‡Z n‡e|
* GLb †j` †gwkb †\_‡K Re Ly‡j Re DëvBqv euvwa‡Z nB‡e|
* GLb bv‡Ui Rb¨ U¨vc mvBR Abyhvqx wWªj K‡i wb‡Z nB‡e| Aek¨B wWª‡ji c~‡e© †m›Uvi wWªj Ki‡Z n‡e|
* bv‡Ui gvc Abyhvqx bvUwU †K‡U Qq‡Kvb Ki‡Z nB‡e Ges †\_ªW KvU‡Z n‡e|
* GLb †j` †gwk‡bi mvnv‡h¨ ‡ev‡ëi †\_ªW KvwU‡Z nB‡e| GB fv‡e bvU-‡evëwU ˆZix Ki‡Z n‡e| Aek¨B †\_ªW cxP †M‡Ri mvnv‡h¨ †\_ªW evi evi cix¶v Kwi‡Z nB‡e|

**‡¯úwmwd‡Kkb kxU**

**(Specification Sheet)**

**PPEt**

* G¨v‡cÖvb - 1 wU
* ‡mdwU MMjm - 1 wU
* ‡mdwU my - 1 wU
* n¨vÛ †Møvfm -1wU

**hš¿cvwZ (Tools and Equipments)**t

* mvi‡dm †MR- 1 wU
* fvwY©qvi K¨vwjcvm©- 1 wU
* ÷xj iyj- 1 wU
* PvKwK- 1 wU
* e·‡iÝ- 1 wU
* ¯§y\_ dvBj- 1 wU
* n¨vKm- 1 wU
* †j` †gwkb- 1 wU
* KvwU©s Uzj-1wU|

**gvjvgvj (Materials)** t

* e¨vm 1′′ j¤^v 5.5′′ -1 wcP Gg. Gm. iW |

**WªBs (Details Drawing)**t

