

## Technical Specification of Drip Irrigation System

| S.N. | Items                             | Unit | Offered Specification | Offered Rate Including VAT(in number) | Offered Rate Including VAT(in words) | Remarks |
|------|-----------------------------------|------|-----------------------|---------------------------------------|--------------------------------------|---------|
| I. A | Pvc pipe and fitting              |      |                       |                                       |                                      |         |
|      | Pvc pipe                          |      |                       |                                       |                                      |         |
|      | 50 mm (4 & 6kg/cm2)               | mt   |                       |                                       |                                      |         |
|      | 63 mm (4 & 6kg/cm2)               | mt   |                       |                                       |                                      |         |
|      | 75 mm (4 & 6kg/cm2)               | mt   |                       |                                       |                                      |         |
|      | PVC Elbow                         |      |                       |                                       |                                      |         |
|      | 50 mm                             | Pcs  |                       |                                       |                                      |         |
|      | 63 mm                             | Pcs  |                       |                                       |                                      |         |
|      | 75 mm                             | Pcs  |                       |                                       |                                      |         |
|      | PVC TEE                           |      |                       |                                       |                                      |         |
|      | 50 mm                             | Pcs  |                       |                                       |                                      |         |
|      | 63 mm                             | Pcs  |                       |                                       |                                      |         |
|      | 75 mm                             | Pcs  |                       |                                       |                                      |         |
|      | PVC Male Threaded Adapter (MTA)   |      |                       |                                       |                                      |         |
|      | 50 mm                             | Pcs  |                       |                                       |                                      |         |
|      | 63 mm                             | Pcs  |                       |                                       |                                      |         |
|      | 75 mm                             | Pcs  |                       |                                       |                                      |         |
|      | PVC Female Threaded Adapter (FTA) |      |                       |                                       |                                      |         |
|      | 50 mm                             | Pcs  |                       |                                       |                                      |         |
|      | 63 mm                             | Pcs  |                       |                                       |                                      |         |
|      | 75 mm                             | Pcs  |                       |                                       |                                      |         |
|      | PVC Gate Valve                    |      |                       |                                       |                                      |         |
|      | 50 mm                             | Pcs  |                       |                                       |                                      |         |
|      | 63 mm                             | Pcs  |                       |                                       |                                      |         |
|      | 75 mm                             | Pcs  |                       |                                       |                                      |         |
|      | 75 mm                             |      |                       |                                       |                                      |         |
| I. B | Pipe and fitting                  |      |                       |                                       |                                      |         |
|      | HDPE Pipe                         |      |                       |                                       |                                      |         |
|      | 1.5" (6-10 kg/cm2)                | mt   |                       |                                       |                                      |         |
|      | 2" (6-10 kg/cm2)                  | mt   |                       |                                       |                                      |         |
|      | 2.5" (6-10 kg/cm2)                | mt   |                       |                                       |                                      |         |
|      | HDPE Elbow (Best to use GI)       |      |                       |                                       |                                      |         |
|      | 1.5"                              | Pcs  |                       |                                       |                                      |         |
|      | 2"                                | Pcs  |                       |                                       |                                      |         |
|      | 2.5"                              | Pcs  |                       |                                       |                                      |         |
|      | HDPE Tee (Best to use GI)         |      |                       |                                       |                                      |         |
|      | 1.5"                              | Pcs  |                       |                                       |                                      |         |
|      | 2"                                | Pcs  |                       |                                       |                                      |         |
|      | 2.5"                              | Pcs  |                       |                                       |                                      |         |
|      | GI Socket                         |      |                       |                                       |                                      |         |

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कृषि इंजिनियर  
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लेन क्लर्क आले मगर  
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निषत दार



|                                       |      |  |  |  |  |  |
|---------------------------------------|------|--|--|--|--|--|
| 1.5"                                  | Pcs  |  |  |  |  |  |
| 2"                                    | Pcs  |  |  |  |  |  |
| 2.5"                                  | Pcs  |  |  |  |  |  |
| GI Nipple (4" length)                 |      |  |  |  |  |  |
| 1.5"                                  | Pcs  |  |  |  |  |  |
| 2"                                    | Pcs  |  |  |  |  |  |
| 2.5"                                  | Pcs  |  |  |  |  |  |
| Gate/Ball Valve                       |      |  |  |  |  |  |
| 1.5"                                  | Pcs  |  |  |  |  |  |
| 2"                                    | Pcs  |  |  |  |  |  |
| 2.5"                                  | Pcs  |  |  |  |  |  |
| HDPE Socket                           |      |  |  |  |  |  |
| 1.5"                                  | Pcs  |  |  |  |  |  |
| 2"                                    | Pcs  |  |  |  |  |  |
| 2.5"                                  | Pcs  |  |  |  |  |  |
| PVC Flush Valve                       |      |  |  |  |  |  |
| 50 mm                                 | Pcs  |  |  |  |  |  |
| 63 mm                                 | Pcs  |  |  |  |  |  |
| 75 mm                                 | Pcs  |  |  |  |  |  |
| Screen/Disc Filter                    |      |  |  |  |  |  |
| 1.5"                                  | Set  |  |  |  |  |  |
| 2"                                    | Set  |  |  |  |  |  |
| Air release valve 1"                  | Pcs  |  |  |  |  |  |
| Pressure Gauge                        | Pcs  |  |  |  |  |  |
| Head unit                             |      |  |  |  |  |  |
| Water Pump (submersible or Monoblock) |      |  |  |  |  |  |
| 1 HP                                  | Set  |  |  |  |  |  |
| 1.5 HP                                | Set  |  |  |  |  |  |
| 2 HP                                  | Set  |  |  |  |  |  |
| Hydrocyclone Filter                   |      |  |  |  |  |  |
| 1.5"                                  | Set  |  |  |  |  |  |
| 2"                                    | Set  |  |  |  |  |  |
| Venturi assembly                      |      |  |  |  |  |  |
| Venturi injector 1"                   | Set  |  |  |  |  |  |
| Venturi injector 1.5"                 | Set  |  |  |  |  |  |
| Header Assembly                       |      |  |  |  |  |  |
| Header Assembly 2"x1"                 | Set  |  |  |  |  |  |
| Header Assembly 2.5"x1.5"             | Set  |  |  |  |  |  |
| Drip pipe                             | mitr |  |  |  |  |  |
| LLDPE pipe (plain pipe) 16mm          |      |  |  |  |  |  |
| Cylindrical drip pipe 20/30/40/50     | mitr |  |  |  |  |  |

Extra Item if HDPE pipe is used.

For fertigation

Inline Drip Irrigation System

मिनिता दारिक कृषि अधि



|                        |     |  |  |  |                                                      |
|------------------------|-----|--|--|--|------------------------------------------------------|
| Emmitter 4lph          | Pcs |  |  |  | Online Drip irrigation system attached to Plain Pipe |
| GTO 16 mm              | Pcs |  |  |  |                                                      |
| Barbed connector 16 mm | Pcs |  |  |  |                                                      |
| End cap 16 mm          | Pcs |  |  |  |                                                      |
| Tee 16 mm              | Pcs |  |  |  |                                                      |
| Delivery Place         |     |  |  |  | Up to site/ NAMP (Okhaldhunga and Solukhumbu)        |
| Installation Charge    |     |  |  |  |                                                      |
| Warranty Period        |     |  |  |  | Minimum One Year                                     |

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