DRIP IRRIGATION BD LTD.
www.dripirrigation.com.bd











PROJECT PROFILE

www.dripirrigation.com.bd

MASTER PORTFOLIO 2026 · BOOK DIRECTORY

Contents

Archival Print Edition · Curated Master Anthology of 100 Projects (FY 2021-22 to 2025-26).

PART I · CORPORATE PROFILE & METHODOLOGY

Overview I — ISO 9001:2015, Recognition & Governance p. 3
Overview II — 8-Step Process, Clients & Portfolio Matrix p. 4
Overview III — Branch Offices & Bangladesh Coverage Map p. 5
Overview IV — Full Team Directory & All Branch Phones p. 6

PART II · SMART IOT, TELEMETRY & PORTFOLIO

Smart IoT I — FarmHub IOT60005 (v1.3.0) Controller p. 7
Smart IoT II — SensPanel Cloud Telemetry & Rule Engine p. 8
Portfolio Archive — 6 Service Overviews & 100 Projects p. 9
Closing Directory — Official Channels, Branches & ISO Links p. 115

PART III · SERVICE OVERVIEW DIVIDERS & 100 CURATED PROJECTS ACROSS ALL 30 SUBCATEGORIES

Service 01: Drip Irrigation Systems Overview p. 9

1.1.1	EGP Tender Project	#01-#08	p. 10
1.1.2	Research & Demo Project	#09-#10	p. 18
1.1.3	NGO Funded Project	#11-#19	p. 20
1.1.4	Dragon Fruit Orchard Project	#20-#23	p. 29
1.1.5	Fruit Orchard Project	#24-#31	p. 33
1.1.6	Vegetables Orchard Project	#32-#36	p. 41
1.1.7	Rooftop & Balcony Garden Project	#37-#41	p. 46
1.1.8	Vertical Garden Project	#42-#45	p. 51
1.1.9	Landscape & Agro Beautification	#46-#51	p. 55

Service 02: Sprinkler Irrigation Systems Overview p. 61

1.2.1	EGP Tender Project	#52-#56	p. 62
1.2.2	NGO Funded Project	#57-#60	p. 67
1.2.3	Fruit & Dragon Orchard Project	#61-#65	p. 71
1.2.4	Vegetables & Citrus Orchard Project	#66-#67	p. 76
1.2.5	Livestock Grass Field Project	#68-#69	p. 78
1.2.6	Nursery Garden Project	#70	p. 80
1.2.7	Above Shed / Industrial Cooling	#71	p. 81

Service 03: High-Pressure Fogging & Mist Cooling Overview p. 82

1.3.1	NGO Funded Cooling Project	#72-#73	p. 83
1.3.2	Dairy, Bull & Poultry Shed Cooling	#74-#79	p. 85
1.3.3	Mushroom Shed Misting	#80-#81	p. 91
1.3.4	Nursery, Orchid & Cactus Shed	#82-#83	p. 93
1.3.5	Tea Factory & Industrial Workshop	#84-#85	p. 95
1.3.6	Hydroponic Grass Misting	#86	p. 97
1.3.7	Fruit & Dragon Orchard Fogging	#87-#88	p. 98

Service 04: Hydroponics & Soilless Cultivation Overview p. 100

2.1	NFT Vertical Hydroponics	#89-#90	p. 101

Service 05: Filtration & Water Treatment Plants Overview p. 103

3.1	Irrigation Filtration Project	#91	p. 104
3.2	Iron Filtration Project	#92-#93	p. 105

Service 06: IoT, Solar & Environment Control Overview p. 107

4.1	IoT Programmable Automation	#94-#95	p. 108
4.2	IoT Sensor-Based Automation	#96-#97	p. 110

Division 5: Solar System p. 112

5.1	Off-Grid Solar Irrigation System	#98-#99	p. 112

Division 6: Environment Control p. 114

6.1	Polyshed & Protected Cultivation	#100	p. 114

Archive Summary: 100 Curated Engineering Projects · 6 Core Service Divisions · 30 Specialized Subcategories · 51 Districts Nationwide

PART I · CORPORATE OVERVIEW (1 OF 4) · ISO 9001:2015 CERTIFIED

Pioneering Precision Water & Smart Agritech Engineering in Bangladesh

Established in 2020 and incorporated on 8 September 2021, **Drip Irrigation BD Ltd. (DIBL)** engineers, manufactures, and commissions precision drip, sprinkler, high-pressure fogging, hydroponics, filtration, off-grid solar pumping, and **FarmHub / SensPanel IoT automation** across all 8 divisions of Bangladesh from its updated Shyamoli/Mohammadpur headquarters and IoT lab.

Quality Certification & National Institutional Endorsements

QUALITY MANAGEMENT

ISO 9001:2015 Certified

Quality Management System (**Certificate No. AMER801444**), issued 19 September 2026.

DUTCH EMBASSY INCUBATION

Orange Corner Graduate

Cohort 1 Innovation Winner (EUR 5,000 Grant + EUR 32,330 Track-2 Acceleration) via **Orange Corners Bangladesh**.

ICT DIVISION · BIG WINNER

iDEA Portfolio Startup

Bangabandhu Innovation Grant (BIG) Winner (BDT 10,00,000 Grant) & **iDEA Project Portfolio** graduate.

1,700+
Total Field Installations
1,000+ Drip, 300+ Sprinkler, 300+ Fogging & 400+ Filtration Units

15,000+
Farmers & Clients Served
3,000+ acres (~1,600 ha) spanning all 8/8 divisions nationwide

Up to 70%
Water Savings Achieved
Up to 60% fertilizer efficiency via calibrated venturi fertigation

36+ / 35
Models & Local Molds
36+ sprinkler models & 35 domestic injection molds (3.5M+ emitters)

Our Mission

To accelerate agricultural modernization across Bangladesh by delivering ISO 9001:2015 certified, locally engineered micro-irrigation, environmental fogging, clean filtration, and smart sensor automation systems that conserve water, labor, and fertilizer while lifting farm profitability.

Our Vision & 4IR Smart Ecosystem

To build a climate-resilient, data-driven agri-engineering ecosystem combining precision polymer manufacturing with **FarmHub IOT60005** edge controllers, **SensPanel** cloud telemetry, and 24/7 AI technical support (**Bindu**) across every farming district.

Corporate Headquarters: 2C/81, Parijat Apartment (HQ Building), North Adabor, Shyamoli / Mohammadpur, Dhaka-1207

IoT & R&D Lab: Parijat Apartment, 81 North Adabor, Shyamoli, Dhaka-1207 · Tel: +880 1919-751843

Direct Helpline: +880 1324-445400 · **Bindu 24/7 AI Assistant:** +880 1324-445401

Portals: www.dripirrigation.com.bd · **my.senspanel.com** · info@dripirrigationbd.com

PART I · CORPORATE OVERVIEW (2 OF 4)

Engineering Process, Institutional Partners & Master 100 Curation

01 Site & Water Survey
Soil percolation, source capacity, iron/TDS checks & terrain gradients.

02 AutoCAD Hydraulic Design
Lateral spacing, emitter discharge, head-loss & zone valving.

03 BoQ & Technical Proposal
Transparent Bill of Quantities, pump curve matching & ROI.

04 Component Production
Injection-molded fittings, PC drippers, UV pipes & tested filters.

05 Certified Field Install
Trenching, riser fabrication, pressure testing & commissioning.

06 FarmHub IoT Pairing
4-zone AC wiring, RJ45 CAT6 sensors, RTC timers & SensPanel.

07 Agronomist Handover
Hands-on fertigation schedules, backwash training & manuals.

08 Nationwide AMC & Support
Rapid service & spares via 10 regional offices & Bindu 24/7 AI.

Trusted By Research Agencies, NGOs & Corporate Estates



Enlisted contractor & supplier to **BADC, DAE, BARI, BRRI, BINA, BSRI, SAU**, **CARE, WorldFish, iDE, BRAC, Swisscontact**, and **PRAN, ACI, Renata, Partex & Aarong Dairy**.

Awards, Grants & Industry Recognition



- **ISO 9001:2015 Certified:** Cert No. AMER801444 (19 Sep 2026).
- **BIG 2023 & Orange Corners:** National BDT 10L & Dutch EUR 37.3K grants/acceleration.
- **Stellar Women 2024 & BAEN Green Award:** Woman-led Smart AgriTech honor.

Master 2026 Curation (56 from 2026 + 44 from 2025): Selected from 219 verified records (127 in 2025 + 92 in 2026) prioritizing updated FY 2025-26 works while covering all **6 divisions** and **30 subcategories** across **51 districts**.

Div.	Engineering Discipline	Folios	Count	Start
Div 1	Micro Irrigation	#01 - #88	**88**	p. 9
Div 2	Hydroponics	#89 - #90	**2**	p. 100
Div 3	Filtration	#91 - #93	**3**	p. 103
Div 4	IoT & Automation	#94 - #97	**4**	p. 107
Div 5	Solar System	#98 - #99	**2**	p. 107
Div 6	Environment Control	#100 - #100	**1**	p. 107
Master 2026 Total (All 30 Subcategories)		**#01 - #100**	**100**	**p. 9 - 114**

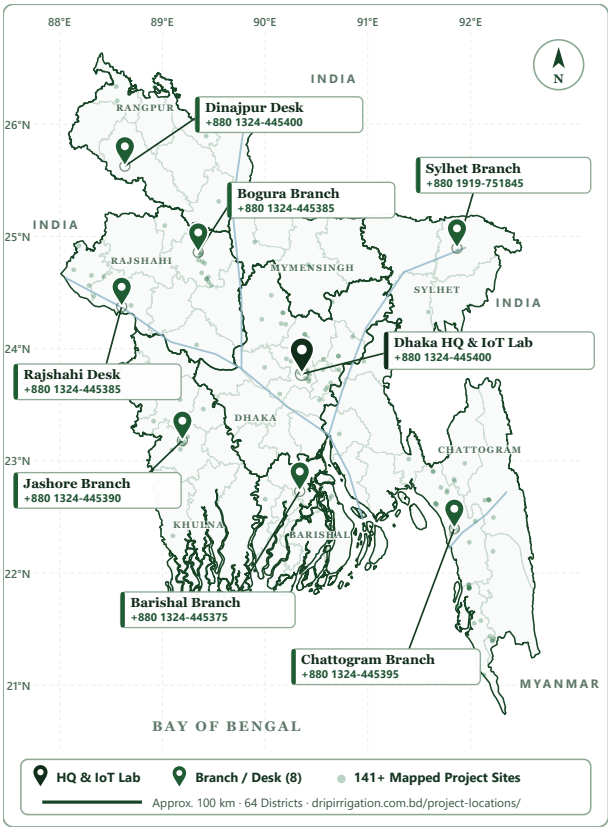
Fiscal Year Mix: FY 2025-26 **40** | FY 2024-25 **10** | FY 2025 **7** | FY 2023-24 **32** | FY 2022-23 **10** | FY 2021-22 **1**

PART I · CORPORATE OVERVIEW (3 OF 4) · LIVE FOOTPRINT

Nationwide Branch Offices & Bangladesh Engineering Coverage Map

149+	141+	8 / 8	10
Mapped Sites & Offices	Geolocated Case Sites	Divisions Covered	Branches, Lab & Desks

Bangladesh Service & Project Map (8 Branches & 149 Sites)



Live Mapped Footprint Across All 8 Divisions

Dhaka Division HQ, IoT Lab, Rooftops, Dairy & Research Farms	45
Chattogram Division Hill Tracts, PARTNER Coastal & Polyhouses	44
Rajshahi Division Barind Fruit Orchards, Strawberry & Dairy	23
Khulna Division Gadkhali Polyhouses, Dragon & Saline Hydroponics	17
Rangpur Division Field-Crop Sprinklers & Fruit Demonstrations	7
Barishal Division Solar Micro-Irrigation, Boroi & Coastal NGO	7
Sylhet Division High-Rainfall UV Shelters & Citrus Sprinklers	3
Mymensingh Division BAU Corridor NFT Hydroponics & Papaya Drip	3

HEAD OFFICE · SHYAMOLI / MOHAMMADPUR
2C/81, Parijat Apartment (HQ), North Adabor, Dhaka-1207
+880 1324-445400 · dibldhaka400@gmail.com

DIBL IOT & AUTOMATION LAB · DHAKA
Parijat Apartment (HQ), 81 North Adabor, Shyamoli, Dhaka-1207
+880 1919-751843 · dibliot843@gmail.com

BINDU 24/7 AI ASSISTANT · CUSTOMER CARE
24-Hour WhatsApp & Technical Routing Support Desk
+880 1324-445401 · bindu@dripirrigation.com.bd

DHAKA REGIONAL BRANCH
2D/81, Parijat Apartment, North Adabor, Mohammadpur, Dhaka-1207
+880 1324-445411 / 445412 · dibldhaka411@gmail.com

CHATTOGRAM REGIONAL BRANCH
A3/1st Floor, Nazma Tower, Munni Comm. Goli, Oxygen, Ctg-4214
+880 1324-445395 / 445399 · diblctg399@gmail.com

JASHORE REGIONAL BRANCH
4th Floor, Chakladar Vhobon, Palbari Mor, Jashore Sadar
+880 1324-445390 / 445391 · dibljashore390@gmail.com

BOGURA REGIONAL BRANCH
4A, Twin Brother Phulbari Plaza, Charmatha, Bogura-5800
+880 1324-445385 / 445386 · diblbogura385@gmail.com

SYLHET REGIONAL BRANCH
Railgate, Shayestaganj & Queen's Tower (4-A), Kadamtoli, Sylhet
+880 1324-445389 / +880 1919-751845

BARISHAL REGIONAL BRANCH
Kashipur Choumatha, Barishal Sadar, Barishal
+880 1324-445375 · HQ Desk: +880 1324-445400

RAJSHAHI & DINAJPUR SERVICE DESKS
Barind Drought Belt (Rajshahi) & Northern Plain (Dinajpur Town)
Rajshahi: +880 1324-445385 · Dinajpur: +880 1324-445400

Interactive Office & Project Locator Map: View live GPS pins nationwide at **dripirrigation.com.bd/project-locations/**

PART I · CORPORATE OVERVIEW (4 OF 4) · LIVE DIRECTORY (DRIPIRRIGATION.COM.BD/CONTACT-US/)

Meet Our Team & Regional Branch Support Directory

Board of Directors



Kamrunnahar
Chairman
Board of Directors



Tahera
Managing Director
Board of Directors



Faridul Hasan
Director & CTO
Board of Directors

Head Office & DIBL IoT Lab, Dhaka (2C/81 Parijat Apartment, North Adabor, Dhaka-1207)



Md. Riaj Uddin
Chief Operating Officer
Executive Management
+880 1324-445406
coo@dripirrigation.com.bd



Mohaiminul Islam
Assistant Engineer
HR & Admin
+880 1919-751845



Ashiqur Rahman
Public Relation Officer
Main Contact Officer
+880 1324-445400
dibldhaka400@gmail.com



Abdullahil Mahmud Arif
IoT Engineer
IoT & Automation Lab
+880 1919-751843
dibliot843@gmail.com



Bindu
24/7 AI Assistant
Customer Support
+880 1324-445401
bindu@dripirrigation.com.bd



Hashim Reza
Inventory Manager
Supply Chain
+880 1324-445410



Saudi Hasnat
Creative Marketing Dir.
Marketing
+880 1919-751847



Jobayer Hossain
Logistic Officer
Supply Chain
+880 1324-445413

Regional Branch Engineering & Field Operations Teams

Dhaka Branch
+880 1324-445411 · 2D/81 Parijat Apt., Dhaka-1207



Md Atikul Islam — Branch Manager — +880 1324-445411



Ali Hayder — Sub Assistant Engineer — +880 1324-445412

Chattogram Branch
+880 1324-445395 · Nazma Tower, Oxygen, Ctg-4214



Mobinul Islam — Assistant Engineer — +880 1324-445399



Rasel Molla — Field Officer — +880 1324-445395



Hasibur Rahman — Asst. Field Officer — +880 1324-445395

Jashore Branch
+880 1324-445390 · Chakladar Vhobon, Palbari Mor



Masud Rana — Assistant Engineer — +880 1324-445390



Masum Billah — Field Officer — +880 1324-445391

Bogura Branch
+880 1324-445385 · Phulbari Plaza, Charmatha



Samsuzzaman Sumon — Assistant Director
+880 1324-445385



Mofazzal Hossin — Sub Assistant Engineer
+880 1324-445386

Sylhet Branch
+880 1324-445389 / +880 1919-751845 · Shayestaganj / Kadamtoli



Mehedi Hasan — Marketing Executive — +880 1324-445389



Asadul Islam Shahoria — Sub Asst. Eng. (Kadamtoli)
+880 1919-751845

Barishal Branch & Regional Desks
+880 1324-445375 · Kashipur Choumatha, Barishal



Asadul Islam — Sub Assistant Engineer (Barishal)
+880 1324-445375

REG

Rajshahi & Dinajpur Desks — Regional Field Support
Raj: 01324-445385 | Din: 01324-445400

All Support Numbers: HQ Dhaka: +880 1324-445400 · Bindu 24/7 AI: +880 1324-445401 · IoT Lab: +880 1919-751843 · Dhaka Br: +880 1324-445411 / 412 · Chattogram: +880 1324-445395 / 399 · Jashore: +880 1324-445390 / 391 · Bogura: +880 1324-445385 / 386 · Sylhet: +880 1324-445389 / 1919-751845 · Barishal: +880 1324-445375 · Rajshahi: +880 1324-445385 · Dinajpur: +880 1324-445400

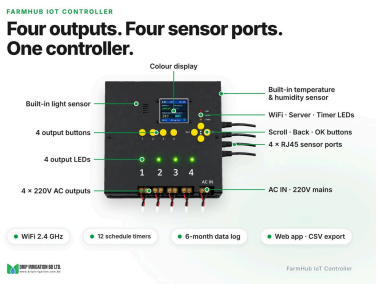
PART II · MADE IN BANGLADESH · SKU: IOT60005 · VERSION 1.3.0

FarmHub IoT Controller — 4-Zone Smart Automation & Sensor Hub

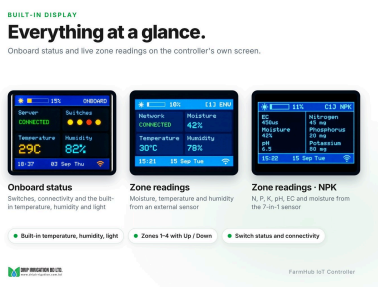
Industrial 4-channel 220V AC Smart IoT Irrigation & Farm Automation Controller featuring a vivid zonal color LCD display, manual override & Scroll/Back/OK menu keys, 4× RJ45 CAT6 auto-detect sensor ports (up to 1,000 m), built-in light/temp/humidity sensors, and 12 offline schedule timers.



FarmHub Front Panel: Industrial metal enclosure, color LCD, 4 manual buttons + LEDs & 220V terminal strip.



Hardware Anatomy: Built-in Light, Temp & RH sensors, Scroll/Back/OK menu navigation & 4× RJ45 S1-S4 ports.



Color Zonal LCD UI: Live onboard climate, network status & 7-in-1 Soil NPK/pH/EC/Moisture screen views.



Versatile 220V Switching: Powers irrigation pumps, solenoid valves, foggers, exhaust fans & aerators.

Subsystem (v1.3.0)	Live Website Technical Specification (IOT60005)	Farm Value
Output Channels	4 × 220V AC relays (**30A general load / 1 HP direct motor**; magnetic contactor supported for larger pumps)	Simultaneous pump, valve, fogger, fan & light control
Sensor Ports & Onboard	4 × RJ45 CAT6 ports (**S1-S4**) auto-detect up to **1,000 m** + onboard Light, Temperature & Humidity sensors	Zero manual calibration across polyhouses & orchards
Display & Local Control	Zonal color LCD, 4 output manual override buttons + indicator LEDs, Menu keys (Scroll, Back, OK)	Full field control & live telemetry even without internet
Offline Schedules	**12 weekly RTC schedule timers** stored inside controller memory (100% offline execution during Wi-Fi outage)	Guaranteed scheduled irrigation & misting persistence
Cloud & Telemetry	**my.senspanel.com** live WebApp + Android App with **6-month history archive & CSV export**	Audit-ready farm telemetry for BARI, NGOs & agribusiness

11 PRIMARY & ALTERNATIVE APPLICATIONS:

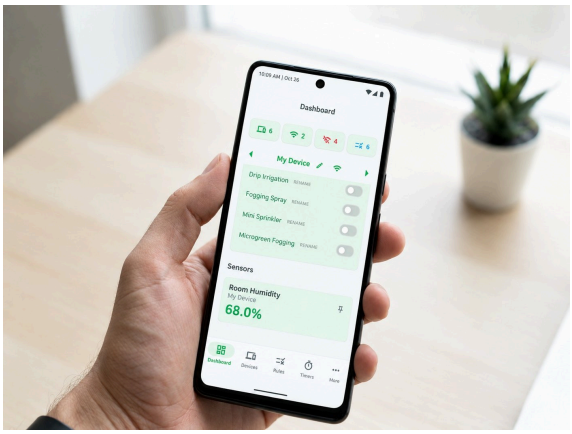
1. Greenhouse Climate & Drip
2. Open-Field Drip Pumps
3. Mushroom Fogger & RH
4. Multi-Zone Orchards
5. Livestock & Poultry Cooling
6. Hydroponics & Nurseries
7. Fisheries Pond Aerators
8. Dragon Fruit Night-Lighting
9. Cold Storage & Chiller Alerts
10. Rooftop & Landscape Timers
11. Home / 220V 30A AC Loads

Launch Offer Price: BDT 15,000 (50% OFF Regular BDT 30,000) | Live Product Page: **dripirrigation.com.bd/product/farmhub-iot-controller/**

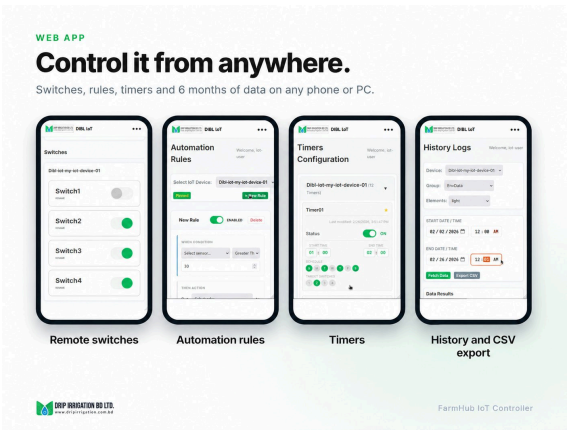
PART II · CLOUD TELEMETRY, SCHEDULE TIMERS & IF/THEN RULE ENGINE

SensPanel (senspanel.com / my.senspanel.com) — Unified Web & Mobile Farm Portal

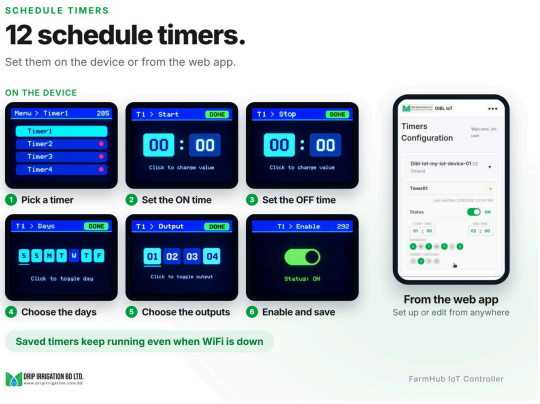
Connected natively to every FarmHub IOT60005 unit, **SensPanel** delivers real-time soil & microclimate cards, 1-tap remote relay switching, 12 synced weekly schedule timers, conditional *If / Then / Only* sensor automation rules, and 6-month downloadable CSV datasets from any phone or PC.



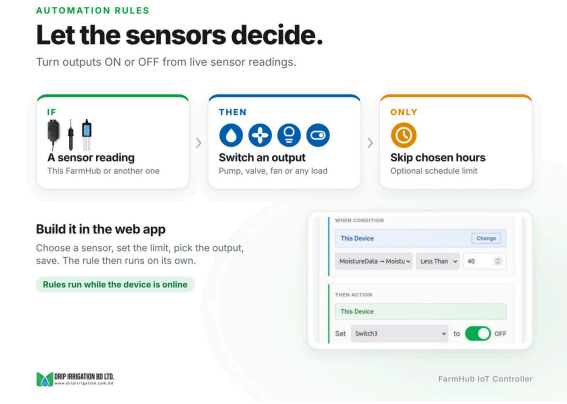
Mobile Dashboard: Instant device online/offline counters, switch toggles & live room/soil sensor cards.



Full WebApp Control: Remote switches, automation rules, schedule timers & 6-month CSV history export.



12 Schedule Timers: Configure directly via device color UI or remotely from SensPanel; persists offline via RTC.



If / Then / Only Rules: Automated irrigation & fogger thresholds based on live Soil Moisture, Temp, RH or NPK.

Closed-Loop Agronomy

Acts automatically on Moisture, Temp, RH, Light, EC, pH & NPK readings across orchards, dairy barns & greenhouses.

Edge + Cloud Resilience

Saves up to 12 weekly timers inside FarmHub RTC hardware so irrigation cycles continue uninterrupted without Wi-Fi.

Research-Grade CSV Archive

Stores 6 months of timestamped sensor telemetry exportable as CSV for BARI/BRRI research and commercial audits.

SERVICE OVERVIEW 01 OF 06 · DIVISION 1.1

PORTFOLIO FOLIOS #01 - #51 (51 PROJECTS)

Drip Irrigation Systems

Precision Root-Zone Water & Nutrient Delivery Across Commercial Farms, Hills & Urban Estates

Engineered to deliver low-flow, metered water and soluble fertilizers directly to the root zone, DIBL drip networks cut field water losses by up to 70% while uniformizing fruit size, Brix quality, and seasonal yield across flatlands, Chittagong Hill Tracts slopes, saline belts, and rooftop planters.



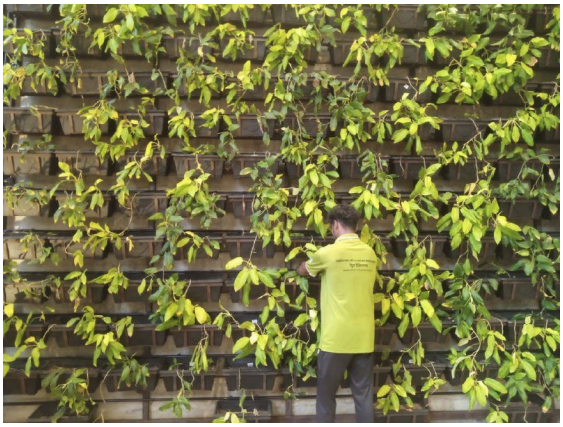
Adjustable & Pressure-Compensated Emitter Head



Precision Orchard Row Lateral Calibration



Inline Drip Laterals on Young Vegetable Beds



Vertical Bio-Wall Micro-Drip Commissioning

Standard Engineering Parameters

Operating Pressure	0.8 - 2.0 bar (12 - 29 PSI) with inline PRV & pressure gauges
Emitter Options	2 - 8 LPH Pressure-Compensated (PC), Online Turbulent & Flat Inline
Lateral Piping	12 mm & 16 mm UV-stabilized virgin LLDPE; HDPE / uPVC sub-mains
Fertigation	Venturi injectors (3/4 in - 2 in) & bypass dosing tanks for soluble NPK

Subcategories & Sectors Covered Here (51 Projects)

- 1.1.1 EGP Government Tenders
- 1.1.2 BARI / DAE / University Demo
- 1.1.3 NGO Partner Field Programs
- 1.1.4 Dragon Fruit Orchards
- 1.1.5 Mango, Guava, Litchi & Citrus
- 1.1.6 High-Value Vegetable Beds
- 1.1.7 Rooftop & Terrace Gardens
- 1.1.8 Vertical Bio-Wall Greening
- 1.1.9 Corporate Estate Landscaping

PROJECT NO. 01 OF 100 · CODE: CTGSS100

1.1.1 EGP Tender Project · FY 2025-26

Installation of Drip Irrigation System in Hilly Fruits Orchard.

Funded By: BADC (PARTNER)
Implemented By: BADC Khagrachari
Installed By: Drip Irrigation BD Ltd.
Site Location: Khedachara, Matiranga, Khagrachari



Mainline line pipe & filter setup from tank



Overall scenario of the project



Adjustable dripper & DIBL Pipe setup



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
378360 BDT	01 Acre	2025-26	12 July 2025 to 17 July 2025	Lemon orchard.

Site Challenge: Irrigation maintenance, Labour, Large area, Sloppy land & Schedule maintenance

Engineering Achievement: Installation of Drip Irrigation System Drip irrigation by gravity force with existing power source for water uptake

Major Equipment Deployed: Water Tank, Filter, Venturi, Adjustable dripper with Online drip tube system | **Site Supervision:** Mobinul Islam Regional Manager, Chattogram Branch.

PROJECT NO. 02 OF 100 · CODE: CTGSS101

1.1.1 EGP Tender Project · FY 2025-26

Installation of Drip Irrigation System in Hilly Fruits Orchard.

Funded By: BADC (PARTNER)
Implemented By: BADC Khagrachari
Installed By: Drip Irrigation BD Ltd.
Site Location: Boro Pilag, Guimara, Khagrachari



Mainline line pipe & filter setup from tank



Overall scenario of the project



Bypass valve setup from Main Line



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
378360 BDT	01 Acre	2025-26	20 July 2025 to 23 July 2025	Hilly Malta orchard.

Site Challenge: Irrigation maintenance, Labour, Large area, Sloppy land & Schedule maintenance

Engineering Achievement: Installation of Drip Irrigation System Drip irrigation by gravity force with existing power source for water uptake

Major Equipment Deployed: Water Tank, Filter, Venturi, Adjustable dripper with Online drip tube system | **Site Supervision:** Mobinul Islam Regional Manager, Chattogram Branch.

PROJECT NO. 03 OF 100 · CODE: CTGSS102

1.1.1 EGP Tender Project · FY 2025-26

Installation of Drip Irrigation System in Hilly Fruits Orchard.

Funded By: BADC (PARTNER)
Implemented By: BADC Khagrachari
Installed By: Drip Irrigation BD Ltd.
Site Location: Molongi para, Maniksori, Khagrachari



Mainline line pipe & filter setup from tank



Overall scenario of the project



Bypass valve setup from Main Line



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
378360 BDT	01 Acre	2025-26	25 July 2025 to 29 July 2025	Malta orchard.

Site Challenge: Irrigation maintenance, Labour, Large area, Sloppy land & Schedule maintenance

Engineering Achievement: Installation of Drip Irrigation System Drip irrigation by gravity force with existing power source for water uptake

Major Equipment Deployed: Water Tank, Filter, Venturi, Adjustable dripper with Online drip tube system | **Site Supervision:** Mobinul Islam Regional Manager, Chattogram Branch.

PROJECT NO. 04 OF 100 · CODE: DHKSS81

1.1.1 EGP Tender Project · FY 2025-26

Installation of Drip irrigation system.

Funded By: BADC-PARTNER
Implemented By: EXN Dhaka, BADC
Installed By: Drip Irrigation BD Ltd.
Site Location: Asadul, Birulia, Savar, Dhaka



Drip Irrigation Head Unit



Reserve Tank Structure



Solar Panel Structure



Overall scenario of the Project

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
380000 BDT	1.5 acre	2025-26	25 February 2025 to 07 July 2025	Flower Garden -Rose

Site Challenge: Source of water, Source of Electricity, Labour, Large area.

Engineering Achievement: Sprinkler Irrigation system setup for whole Garden.

Major Equipment Deployed: Sprinkler, Venture, Filter ETC | **Site Supervision:** Md Shazzad HossainAssistant Engineer, Dhaka Branch..

PROJECT NO. 05 OF 100 · CODE: CTGSS103

1.1.1 EGP Tender Project · FY 2025-26

Installation of Drip Irrigation System in Hilly Fruits Orchard.

Funded By: BADC (PARTNER)
Implemented By: BADC Khagrachari
Installed By: Drip Irrigation BD Ltd.
Site Location: Boro tila, Tintohori, Khagrachari



Mainline line pipe & filter setup from tank



Overall scenario of the project



Bypass valve setup from Main Line



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
378360 BDT	01 Acre	2025-26	10 August 2025 to 26 August 2025	Hilly Dragon orchard.

Site Challenge: Irrigation maintenance, Labour, Large area, Sloppy land & Schedule maintenance

Engineering Achievement: Installation of Drip Irrigation System Drip irrigation by gravity force with existing power source for water uptake

Major Equipment Deployed: Water Tank, Filter, Venturi, Adjustable dripper with Online drip tube system | **Site Supervision:** Mobinul Islam Regional Manager, Chattogram Branch.

PROJECT NO. 06 OF 100 · CODE: CTGSS109

1.1.1 EGP Tender Project · FY 2025-26

Installation of Drip Irrigation System in BADC Campus.

Funded By: BADC
Implemented By: BADC
Installed By: Drip Irrigation BD Ltd.
Site Location: Deowanhut, Dohazari Chattogram



Pump House



Overall scenario of the project



Pump & Main line Setup



Water discharge by Sprinkler nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
2250000 BDT	05 Acre	2025-26	04 October 2025 to 18 January 2026	Mix Fruits & Flower orchard.

Site Challenge: On time irrigation, Beautification, Automation.

Engineering Achievement: Automatic Sprinkler Irrigation system setup for whole Campus.

Major Equipment Deployed: Submersible Pump, Water Flow meter, Wi-Fi Timer, Filter & Sprinkler. | **Site Supervision:** Mobinul Islam Regional Manager, Chattogram Branch.

PROJECT NO. 07 OF 100 · CODE: CTGSS111

1.1.1 EGP Tender Project · FY 2025-26

Installation of Drip Irrigation System in Hilly Fruits Orchard.

Funded By: BADC (PARTNER)
Implemented By: BADC Khagrachari
Installed By: Drip Irrigation BD Ltd.
Site Location: Gamaridala, Khagrachari



Mainline line pipe & filter setup from Pump



Overall scenario of the project



Bypass valve setup from Main Line



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
378360 BDT	01 Acre	2025-26	14 October to 19 October 2025	Dragon orchard.

Site Challenge: Irrigation maintenance, Labour, Large area, Sloppy land & Schedule maintenance

Engineering Achievement: Installation of Drip Irrigation System Drip irrigation by Pump Pressure with existing power source for water uptake

Major Equipment Deployed: Submersible Pump, Filter, Venturi, Adjustable dripper with Online drip tube system | **Site Supervision:** Mobinul Islam Regional Manager, Chattogram Branch.

PROJECT NO. 08 OF 100 · CODE: BOGSS69

1.1.1 EGP Tender Project · FY 2025-26

Installation of Drip Irrigation System in Plum Orchards.

Funded By: BADC
Implemented By: BADC
Installed By: Drip Irrigation BD Ltd.
Site Location: Bogura.



Project setup by DIBL Team members



Overall scenario of the project



Field Inspection by BADC.



Water discharge by Dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
2,05,000 BDT	100 Decimals	2025-26	23 July 2025 to 23 July 2025	Plum

Site Challenge: Source of water, Source of Electricity, Labor, Large area

Engineering Achievement: Automatic Timer based Drip Irrigation with Diesel Pump & Header Tank

Major Equipment Deployed: Dripper, Filter ETC | **Site Supervision:** Agriculturist Md. Shamsuzzaman summon Assistant Director, Bogura Branch.

PROJECT NO. 09 OF 100 · CODE: —

1.1.2 Research & Demo Project · FY 2023-24

Automatic Drip Irrigation System in Coffee Orchard

Funded By: Bangladesh Agricultural Research Institute
Implemented By: BARI Bandarban
Installed By: Drip Irrigation BD Ltd.
Site Location: Chimbuk, Bandarban



Field Inspection



Overall scenario of the project



Project setup by DIBL Team members



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
55,000 BDT	05 decimals	2023-24	10-11 January 2024	Coffee

Site Challenge: Source of water, Labour cost, Technical Knowledge of farmer, Hill slope

Engineering Achievement: Installation of Drip Irrigation system by gravity force with automation were solved the problem

Major Equipment Deployed: Reserve tank, Timer, Filter, Adjustable dripper with online drip tube & connector | **Site Supervision:** Md. Rasel Molla, Technical Officer, Chattogram Branch

PROJECT NO. 10 OF 100 · CODE: —

1.1.2 Research & Demo Project · FY 2023-24

Sprinkler & Drip Irrigation System in Vegetable Orchard

Funded By: BARI
Implemented By: Zahid
Installed By: Drip Irrigation BD Ltd.
Site Location: Pirpur, Pabna



Oerall scenario of the project



In Line & On line Pipe Instalation



Installation Of Sprinkler



Project setup by DIBL Team members

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
18000	5 decimals	2023-24	05/05/2024	Mixed Vegetable

Site Challenge: Site-specific hydraulic, water quality & terrain requirements addressed via custom engineering.

Engineering Achievement: Automatic Timer based Drip Irrigation with Diesel Pump & Header Tank

Major Equipment Deployed: Micro jet Sprinkler Adjustable dripper with feeder line & online drip tube | **Site Supervision:** Agriculturist Md. Shamsuzzaman summon

PROJECT NO. 11 OF 100 · CODE: CTGSS96

1.1.3 NGO Funded Project · FY 2025-26

Installation of Drip Irrigation System in Fruit Orchards.

Funded By: Sagorika Gram unnoyon Foundation
Implemented By: Sagorika Gram unnoyon Foundation
Installed By: Drip Irrigation BD Ltd.
Site Location: Gaserhut, sobornochor, Noakhali



Bypass valve setup from Main Line



Overall scenario of the project



Adjustable dripper & DIBL Pipe setup



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
33500 BDT	20 Decimals	2025-26	05 May 2025 to10 May 2025	Mango orchard.

Site Challenge: Difficult to manage time for irrigation in fruit orchard.

Engineering Achievement: Installation of Drip Irrigation System Drip irrigation by Submersible Pump were solved the problem.

Major Equipment Deployed: Pump ,Filter, Inline drip irrigation system with connector | **Site Supervision:** Mobinul Islam Regional Manager, Chattogram Branch.

PROJECT NO. 12 OF 100 · CODE: CTGSS97

1.1.3 NGO Funded Project · FY 2025-26

Installation of Drip Irrigation System in Mango Orchards.

Funded By: Mamata
Implemented By: Mamata
Installed By: Drip Irrigation BD Ltd.
Site Location: Digirpar Road, Chandanish



Gate valve Setup on the main line



Adjustable dripper & DIBL Pipe setup



Bypass valve setup from Main Line



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
25000 BDT	20 Decimals	2025-26	23 January 2025 to 23 January 2025	Mix fruit orchard.

Site Challenge: Irrigation maintenance, Labour, Schedule maintenance

Engineering Achievement: Drip irrigation for 100 Plants were solved the problem

Major Equipment Deployed: Pump, Filter, Adjustable dripper with Online drip tube system | **Site Supervision:** Rasel MollaTechnical Officer, Chattogram Branch.

PROJECT NO. 13 OF 100 · CODE: BOGSS36

1.1.3 NGO Funded Project · FY 2025-26

Installation of Drip Irrigation System in Coconut Fruit Orchards.

Funded By: Palli Karma Sahayak Foundation (PKSF).

Implemented By: Ahead Social Organization (ASO), Joypurhat.

Installed By: Drip Irrigation BD Ltd.

Site Location: Punat,Kalai,Joypurhat.



Project setup by DIBL Team members



Overall scenario of the project



Field Inspection by (ASO).



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
17,000 BDT	33 Decimals	2025-26	2 January 2025 to 2 January 2025	Coconut.

Site Challenge: Source of water, Source of Electricity, Labour, Large area

Engineering Achievement: Automatic Timer based Drip Irrigation with Diesel Pump & Header Tank

Major Equipment Deployed: Adjustable dripper with feeder line & online drip tube. | **Site Supervision:** Agriculturist Md. Shamsuzzaman summon Assistant Director, Bogura Branch.

PROJECT NO. 14 OF 100 · CODE: BOGSS55

1.1.3 NGO Funded Project · FY 2025-26

Installation of Drip Irrigation System in Mango fruit Orchards.

Funded By: Palli Karma Sahayak Foundation (PKSF).
Implemented By: Gram Bkash.
Installed By: Drip Irrigation BD Ltd.
Site Location: Parbatipur,Dinajpur.



Project setup by DIBL Team members



Overall scenario of the project



Field Inspection by Gram Bkash



Water discharge by Dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
17,000 BDT	30 Decimals	2025-26	22 June 2025 to 22 June 2025	Mango.

Site Challenge: Source of water, Source of Electricity, Labour, Large area

Engineering Achievement: Automatic Timer based Drip Irrigation with Diesel Pump & Header Tank

Major Equipment Deployed: Adjustable dripper with feeder line & online drip tube. | **Site Supervision:** Agriculturist Md. Shamsuzzaman summon Assistant Director, Bogura Branch.

PROJECT NO. 15 OF 100 · CODE: BOGSS58

1.1.3 NGO Funded Project · FY 2025-26

Installation of Drip Irrigation System in Malta fruit Orchards.

Funded By: Palli Karma Sahayak Foundation (PKSF).
Implemented By: Aso
Installed By: Drip Irrigation BD Ltd.
Site Location: Shibganj.



Project setup by DIBL Team members



Overall scenario of the project



Field Inspection by Aso



Water discharge by Dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
14,700 BDT	33 Decimals	2025-26	26 June 2025 to 26 June 2025	Malta.

Site Challenge: Source of water, Source of Electricity, Labor, Large area

Engineering Achievement: Automatic Timer based Drip Irrigation with Diesel Pump & Header Tank

Major Equipment Deployed: Adjustable dripper with feeder line & online drip tube. | **Site Supervision:** Agriculturist Md. Shamsuzzaman summon Assistant Director, Bogura Branch.

PROJECT NO. 16 OF 100 · CODE: BOGSS59

1.1.3 NGO Funded Project · FY 2025-26

Installation of Drip Irrigation System in Guava fruit Orchards.

Funded By: Palli Karma Sahayak Foundation (PKSF).
Implemented By: GUK
Installed By: Drip Irrigation BD Ltd.
Site Location: Bogura.



Project setup by DIBL Team members



Overall scenario of the project



Field Inspection by Aso



Water discharge by Dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
19,000 BDT	15 Decimals	2025-26	28 June 2025 to 28 June 2025	Guava.

Site Challenge: Source of water, Source of Electricity, Labour, Large area

Engineering Achievement: Automatic Timer based Drip Irrigation with Diesel Pump & Header Tank

Major Equipment Deployed: Adjustable dripper with feeder line & online drip tube. | **Site Supervision:** Agriculturist Md. Shamsuzzaman summon Assistant Director, Bogura Branch.

PROJECT NO. 17 OF 100 · CODE: BOGSS61

1.1.3 NGO Funded Project · FY 2025-26

Installation of Drip Irrigation System in Lychee Orchards.

Funded By: Palli Karma Sahayak Foundation (PKSF).
Implemented By: Jakas Foundation
Installed By: Drip Irrigation BD Ltd.
Site Location: Chanpara,Joypurhat.



Project setup by DIBL Team members



Overall scenario of the project



Field Inspection by Jakas Foundation.



Water discharge by Dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
34,000 BDT	66 Decimals	2025-26	29 June 2025 to 29 June 2025	Lychee

Site Challenge: Source of water, Source of Electricity, Labour, Large area

Engineering Achievement: Automatic Timer based Drip Irrigation with Diesel Pump & Header Tank

Major Equipment Deployed: Dripper, Filter ETC | **Site Supervision:** Md. Mofazzal Hossin Sub-Assistant Engineer,Bogura Branch.

PROJECT NO. 18 OF 100 · CODE: BOGSS78

1.1.3 NGO Funded Project · FY 2025-26

Installation of Drip Irrigation System in Vegetable Orchards.

Funded By: Palli Karma Sahayak Foundation (PKSF).
Implemented By: ESDO
Installed By: Drip Irrigation BD Ltd.
Site Location: Thakurgaon.



Project setup by DIBL Team members



Overall scenario of the project



Field Inspection by ESDO.



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
45,200 BDT	33 Decimals	2025-26	25 October 2025 to 26 October 2025	Vegetable.

Site Challenge: Source of water, Source of Electricity, Labour, Large area

Engineering Achievement: Automatic Timer based Drip Irrigation with Diesel Pump & Header Tank

Major Equipment Deployed: Adjustable dripper with feeder line & online drip tube. | **Site Supervision:** Agriculturist Md. Shamsuzzaman summon Assistant Director, Bogura Branch.

PROJECT NO. 19 OF 100 · CODE: BOGSS80

1.1.3 NGO Funded Project · FY 2025-26

Installation of Drip And Sprinkler Irrigation System in Mango And Dragon Fruit Orchards.

Funded By: Palli Karma Sahayak Foundation (PKSF).
Implemented By: Ghashful.
Installed By: Drip Irrigation BD Ltd.
Site Location: Niyamotpur,Naogaon.



Project setup by DIBL Work



Overall scenario of the project



Field Inspection by (Ghashful).



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
45,000 BDT	33 Decimals	2025-26	10 November 2025 to 10 November 2025	Mango And Dragon fruits.

Site Challenge: Source of water, Source of Electricity, Labour, Large area

Engineering Achievement: Automatic Timer based Drip Irrigation with Diesel Pump & Header Tank

Major Equipment Deployed: Adjustable dripper with feeder line & online drip tube,sprinkler. | **Site Supervision:** Md. Mofazzal Hossin Sub-Assistant Engineer,Bogura Branch.

PROJECT NO. 20 OF 100 · CODE: JSRSS55

1.1.4 Dragon Fruit Orchard Project · FY 2024-25

Installation of Drip Irrigation System

Funded By: Palli Karma-Sahayak Foundation (PKSF)
Implemented By: Shishu Niloy Foundation (SNF)
Installed By: Drip Irrigation BD Ltd.
Site Location: Chaugachha, Jessore.



Overall scenario of the project



Water discharge by Drip Tape nozzle



Head Unit



Project setup by DIBL Team members

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
70,000 BDT	2 acres	2024-25	29 Sep 2025	Dragon Garden

Site Challenge: Source of water.

Engineering Achievement: Submersible Pump Installation,

Major Equipment Deployed: LDPE Tube, Drip Tape, Adjustable Vortex with feeder line. | **Site Supervision:** Assistant Engineer Masud Rana, Jessore Branch

PROJECT NO. 21 OF 100 · CODE: JSRSS56

1.1.4 Dragon Fruit Orchard Project · FY 2024-25

Installation of Drip Irrigation System

Funded By: BADC Barisal
Implemented By: Intigrate Trading Ltd
Installed By: Drip Irrigation BD Ltd.
Site Location: Nazirpur, Pirojpur.



Solar Structure and Head Unit of the project



Project setup by DIBL Team members



Field Inspection by Assistant Engineer Ferdous (BADC)



Water discharge by Dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
6,00000 BDT	100 Decimal	2024-25	29 Sep 2025	Mango, Guava, Lemon, Fruit.

Site Challenge: Source of water, Source of Solar Panel, Labour, Large area

Engineering Achievement: Drip Irrigation with Solar Submersible Pump & Header Tank

Major Equipment Deployed: LDPE Tube, Filter, Venturi, Pressure gauge, Air release valve, PC Dripper. | **Site Supervision:** Assistant Engineer Masud Rana, Jessore Branch

PROJECT NO. 22 OF 100 · CODE: JSRSS65

1.1.4 Dragon Fruit Orchard Project · FY 2024-25

Installation of Drip Irrigation System

Funded By: Palli Karma-Sahayak Foundation (PKSF)
Implemented By: Wave Foundation
Installed By: Drip Irrigation BD Ltd.
Site Location: Juranpur, Chuadanga.



Water discharge by Micro Sprinkler nozzle



Head Unit



Project setup by DIBL Team members



Overall scenario of the project

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
91,200 BDT	66 Decimal	2024-25	25 NOV 2025	Vegetable

Site Challenge: Source of water, Labour.

Engineering Achievement: Sprinklar Irrigation with Submersible Pump.

Major Equipment Deployed: LDPE Tube, Sprinkler, Micro Sprinkler, Filter, Venturi. | **Site Supervision:** Assistant Engineer Masud Rana, Jessore Branch

PROJECT NO. 23 OF 100 · CODE: JSRSS66

1.1.4 Dragon Fruit Orchard Project · FY 2024-25

Installation of Drip Irrigation System

Funded By: Palli Karma-Sahayak Foundation (PKSF)
Implemented By: Wave Foundation
Installed By: Drip Irrigation BD Ltd.
Site Location: Juranpur, Chuadanga.



Overall scenario of the project



Water discharge by Dripper nozzle



Water discharge by Vortex nozzle



Project setup by DIBL Team members

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
57,000 BDT	33 Decimal	2024-25	10 DEC 2025	Malta Garden

Site Challenge: Source of water, Labour.

Engineering Achievement: Drip Irrigation with Diesel Pump Installation,

Major Equipment Deployed: LDPE Tube, 4mm Tube, 4mm Connector, Adjustable Vortex, Filter, Venturi. | **Site Supervision:** Assistant Engineer Masud Rana, Jessore Branch

PROJECT NO. 24 OF 100 · CODE: CTGSS82

1.1.5 Fruit Orchard Project · FY 2025

Installation of Drip Irrigation System in Hilly Mango Orchards.

Funded By: Be well Bangladesh
Implemented By: Be well Bangladesh
Installed By: Drip Irrigation BD Ltd.
Site Location: Sitakunda, Chattogram



Project setup by DIBL Team members



Overall scenario of the project



LDPE Pipe networking



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
407897 BDT	200 Decimals	2025	01 January 2025 to 16 January 2025	Mango Orchard.

Site Challenge: Source of water, Labour, Large Hilly area

Engineering Achievement: Automatic Timer based Drip Irrigation with Pump & Header Tank

Major Equipment Deployed: Adjustable dripper with feeder line & online drip tube. | **Site Supervision:** Mobinul Islam Regional Manager, Chattogram Branch.

PROJECT NO. 25 OF 100 · CODE: CTGSS83

1.1.5 Fruit Orchard Project · FY 2025-26

Installation of Drip Irrigation System in Papaya Orchards.

Funded By: Moungkhaine
Implemented By: Moungkhaine
Installed By: Drip Irrigation BD Ltd.
Site Location: Headman para, Sonaichari, Bandarban



Project setup by DIBL Plumber



Overall scenario of the project



LDPE Pipe networking



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
35830 BDT	60 Decimals	2025-26	18 January 2025 to 19 January 2025	Papaya.

Site Challenge: Irrigation maintenance, Labour, Schedule maintenance

Engineering Achievement: Drip irrigation for 60 decimal area were solved the problem

Major Equipment Deployed: Reserve Tank, filter, HDPE coil pipe, PVC Fittings, Adjustable Dripper, Drip tube & connectors | **Site Supervision:** Rasel MollaTechnical Officer, Chattogram Branch.

PROJECT NO. 26 OF 100 · CODE: CTGSS86

1.1.5 Fruit Orchard Project · FY 2025

Installation of Drip Irrigation System in Hilly Fruits Orchards.

Funded By: TB FARM
Implemented By: TB FARM
Installed By: Drip Irrigation BD Ltd.
Site Location: Bajalia,Bandorban



Mainline HDPE Pipe setup from Tank



Overall scenario of the project



LDPE & HDPE Pipe networking



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
264000 BDT	03 Acre	2025	02 February 2025 to 20 February 2025	Hilly Malta orchard.

Site Challenge: Irrigation maintenance, Labour, Large area, Sloppy land & Schedule maintenance

Engineering Achievement: Installation of Drip Irrigation System, Drip irrigation by gravity force with existing power source for water uptake

Major Equipment Deployed: Water Tank, Filter, Adjustable dripper with Online drip tube system | **Site Supervision:** Mobinul Islam Regional Manager, Chattogram Branch.

PROJECT NO. 27 OF 100 · CODE: CTGSS90

1.1.5 Fruit Orchard Project · FY 2025-26

Installation of Drip Irrigation System in Hilly Fruits Orchards.

Funded By: Sherpa Power Engineering Ltd.
Implemented By: Sherpa Power Engineering Ltd.
Installed By: Drip Irrigation BD Ltd.
Site Location: Jiptoli Sadar, Rangamati



Mainline Irrigation Setup from Tank



Overall scenario of the project



HDPE & LDPE Pipe networking



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
102000 BDT	01 Acre	2025-26	13 March 2025 to 14 March 2025	Hilly Malta orchard.

Site Challenge: Irrigation maintenance, Labour, Large area, Sloppy land & Schedule maintenance

Engineering Achievement: Installation of Drip Irrigation System Drip irrigation by gravity force with existing power source for water uptake

Major Equipment Deployed: Water Tank, Filter, Adjustable dripper with Online drip tube system | **Site Supervision:** Mobinul Islam Regional Manager, Chattogram Branch.

PROJECT NO. 28 OF 100 · CODE: CTGSS92

1.1.5 Fruit Orchard Project · FY 2025-26

Installation of Drip Irrigation System in Hilly Fruits Orchard.

Funded By: Sherpa Power Engineering Ltd.
Implemented By: Sherpa Power Engineering Ltd.
Installed By: Drip Irrigation BD Ltd.
Site Location: Jamaisori, Chitmorong, Rangamati



Project setup by DIBL Team members



Overall scenario of the project



Field Inspection by Executive Engineer Rangamati



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
102000 BDT	01 Acre	2025-26	15 April 2025 to 15 April 2025	Hilly Malta orchard.

Site Challenge: Irrigation maintenance, Labour, Large area, Sloppy land & Schedule maintenance

Engineering Achievement: Installation of Drip Irrigation System Drip irrigation by gravity force with existing power source for water uptake

Major Equipment Deployed: Water Tank, Filter, Adjustable dripper with Online drip tube system | **Site Supervision:** Mobinul Islam Regional Manager, Chattogram Branch.

PROJECT NO. 29 OF 100 · CODE: CTGSS93

1.1.5 Fruit Orchard Project · FY 2025-26

Installation of Drip Irrigation System in Hilly Fruits Orchards.

Funded By: Sherpa Power Engineering Ltd.
Implemented By: Sherpa Power Engineering Ltd.
Installed By: Drip Irrigation BD Ltd.
Site Location: Katasori, Boradom, Rangamati



Mainline Pipe networking and Tank Setup



Overall scenario of the project



HDPE & LDPE Pipe networking



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
102000 BDT	01 Acre	2025-26	19 April 2025 to 22 April 2025	Hilly Mango orchard.

Site Challenge: Irrigation maintenance, Labour, Large area, Sloppy land & Schedule maintenance

Engineering Achievement: Installation of Drip Irrigation System Drip irrigation by gravity force with existing power source for water uptake

Major Equipment Deployed: Water Tank, Filter, Adjustable dripper with Online drip tube system | **Site Supervision:** Mobinul Islam Regional Manager, Chattogram Branch.

PROJECT NO. 30 OF 100 · CODE: —

1.1.5 Fruit Orchard Project · FY 2023-24

Drip Irrigation on Dragon Garden.

Funded By: Navy Anchorage
Implemented By: Comander Moheuddin
Installed By: Drip Irrigation BD Ltd.
Site Location: Lake city road, Khilkhat.



Overall scenario of the project



Water discharge by dripper nozzle



Water discharge by dripper nozzle



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
38,000 BDT.	4,000 Squ.	2023-24	08 Feb 2024.	Dragon, Tomato, Flower.

Site Challenge: Plumbing, Pipe Line.

Engineering Achievement: Source of water. Labour, Outside of Building.

Major Equipment Deployed: Adjustable dripper. | **Site Supervision:** Asst Engineer Md. Masud Rana, Dhaka Branch.

PROJECT NO. 31 OF 100 · CODE: —

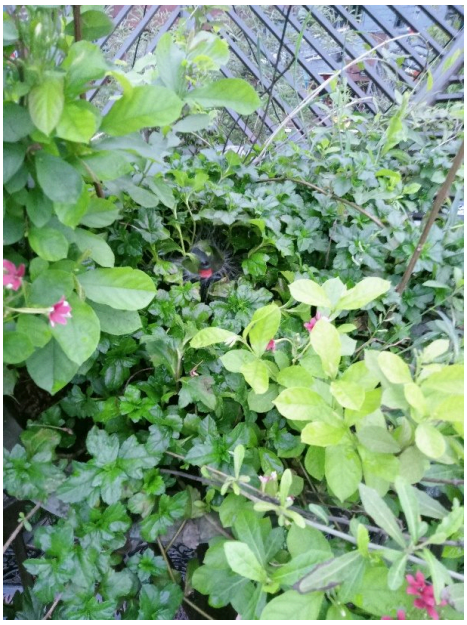
1.1.5 Fruit Orchard Project · FY 2023-24

Drip Irrigation & Fogging system on Rooftop Garden.

Funded By: Sabbir Ahmed
Implemented By: Sabbir Ahmed
Installed By: Drip Irrigation BD Ltd.
Site Location: Mirpur-1.



Project setup by DIBL Team members



Project setup by DIBL Team members



Project setup by DIBL Team members



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	ORCHARD
8,516 BDT.	120 squ	2023-24	17 Mar 2024.	Flower, Vegetable.

Site Challenge: Source of water. Installation Pipe line.

Engineering Achievement: Installation Pipe line.

Major Equipment Deployed: Adjustable dripper, Fogger. | **Site Supervision:** Asst Engineer Md. Masud Rana, Dhaka Branch.

PROJECT NO. 32 OF 100 · CODE: CTGSS89

1.1.6 Vegetables Orchard Project · FY 2025

Installation of Drip Irrigation System in Vegetable Garden.

Funded By: Smart Farming
Implemented By: Smart Farming
Installed By: Drip Irrigation BD Ltd.
Site Location: East Hasnatbad, Narayonhat,Fotikchori



Outside Overall scenario of the project



Inside Overall scenario of the project



Inline drip tape setup with mainline



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
23700 BDT	80 Decimals	2025	16 March 2025 to 07 March 2025	Vegetable Garden in Poly shade

Site Challenge: Source of water, Filter & Venturi Installation

Engineering Achievement: Installation of Inline drip Irrigation System with Venturi Setup

Major Equipment Deployed: Reserve Tank, Filter, PVC Pipe, PVC Fittings &Inline drip Tape with connectors | **Site Supervision:** Mobinul Islam Regional Manager, Chattogram Branch.

PROJECT NO. 33 OF 100 · CODE: BOGSS46

1.1.6 Vegetables Orchard Project · FY 2025-26

Installation of Drip Irrigation System.

Funded By: Green Growers.
Implemented By: Green Growers.
Installed By: Drip Irrigation BD Ltd.
Site Location: Santahar,Naogaon.



Project setup by DIBL



Overall scenario of the project



Field Inspection by Green Growers.



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
249,873 BDT	200 Decimals	2025-26	20 March 2025 to 23 March 2025	Vegetable.

Site Challenge: Source of water, Source of Electricity Pump, Labour, Large area.

Engineering Achievement: Automatic Timer based Drip Irrigation with Diesel Pump & Header Tank

Major Equipment Deployed: Adjustable dripper with feeder line. | **Site Supervision:** Agriculturist Md. Shamsuzzaman summon Assistant Director, Bogura Branch.

PROJECT NO. 34 OF 100 · CODE: BOGSS28

1.1.6 Vegetables Orchard Project · FY 2025-26

Installation of Drip And Mini Sprinkler Irrigation System in Vegetable.

Funded By: Bangladesh Agricultural University.(BAU)
Implemented By: BAU
Installed By: Drip Irrigation BD Ltd.
Site Location: Sadar.Maymansingh.



Project setup by DIBL



Overall scenario of the project



Field Inspection by BAU.



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
20,000 BDT	10 Decimals	2025-26	28 January 2025 to 29January 2025	Vegetable.

Site Challenge: Source of water, Source of Electricity, Labour, Large area

Engineering Achievement: Automatic Timer based Drip Irrigation with Diesel Pump & Header Tank

Major Equipment Deployed: Adjustable dripper with feeder line & online drip tube, Mini Sprinkler.. | **Site Supervision:** Agriculturist Md. Shamsuzzaman summon Assistant Director, Bogura Branch.

PROJECT NO. 35 OF 100 · CODE: BOGSS41

1.1.6 Vegetables Orchard Project · FY 2025-26

Installation of Drip And Sprinkler Irrigation System in Vegetable And Orange Garden.

Funded By: Maya Agro Farm
Implemented By: Maya Agro Farm
Installed By: Drip Irrigation BD Ltd.
Site Location: Sadar. Rangpur



Project setup by DIBL



Overall scenario of the project



Field Inspection by Maya Agro Farm.



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
105,978 BDT	140 Decimals	2025-26	15 March 2025 to 17 March 2025	Vegetable and Orange.

Site Challenge: Source of water, Source of Electricity dip wall, Labour, Large area

Engineering Achievement: Automatic Timer based Drip Irrigation with Diesel Pump & Header Tank

Major Equipment Deployed: Adjustable dripper with feeder line & Sprinkler.. | **Site Supervision:** Agriculturist Md. Shamsuzzaman summon Assistant Director, Bogura Branch.

PROJECT NO. 36 OF 100 · CODE: JSRSS52

1.1.6 Vegetables Orchard Project · FY 2024-25

Installation of Drip Tape Irrigation System

Funded By: Sherpa Power Engineering
Implemented By: Sherpa Power Engineering
Installed By: Drip Irrigation BD Ltd.
Site Location: Shyamnagar, Satkhira.



Project setup by DIBL Team members



Project setup by DIBL Team members



Head Unit



Water discharge by Drip Tape nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
184,110 BDT	2 Acres	2024-25	09 Aug 2025 to 14 Aug 2025	Vegetable

Site Challenge: Source of water, Source of Electricity, Labour, Large area

Engineering Achievement: Pump Installation, Pipe line Setup.

Major Equipment Deployed: LDPE Tube, Filter, Venturi with feeder line & Inline Drip Tape. | **Site Supervision:** Field Officer, Masum Billah, Jessore Branch.

PROJECT NO. 37 OF 100 · CODE: CTGSS91

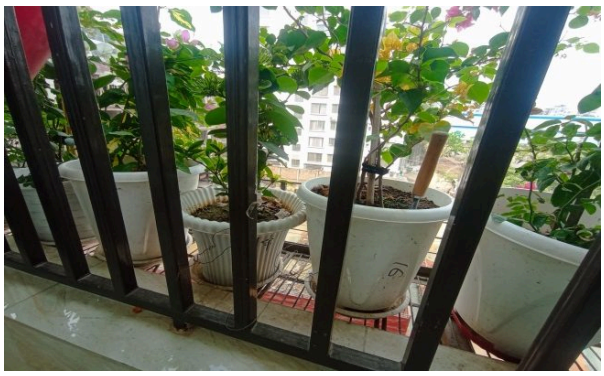
1.1.7 Rooftop & Balcony Garden Project · FY 2025-26

Installation of Drip Irrigation System in Balcony Garden.

Funded By: SMBL- The Green Leaf
Implemented By: Shirin Akter
Installed By: Drip Irrigation BD Ltd.
Site Location: Yakub Future Park Housing, Khulshi.



Garden Timer Setup Balcony Garden



Overall scenario of the project



Adjustable dripper & DIBL Pipe setup



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
8000 BDT	02 Decimals	2025-26	24 March 2025 to 24 March 2025	Balcony Garden

Site Challenge: Difficult to manage time for irrigation in rooftop Plant

Engineering Achievement: Drip irrigation for 120 Plants were solved the problem

Major Equipment Deployed: Filter, Adjustable dripper, Feeder tube, drip tube & connector | **Site Supervision:** Rasel MollaTechnical Officer, Chattogram Branch.

PROJECT NO. 38 OF 100 · CODE: CTGSS87

1.1.7 Rooftop & Balcony Garden Project · FY 2025

Installation of Drip Irrigation System in Rooftop Garden.

Funded By: Bongo Flavors and Perfume
Implemented By: Bongo Flavors and Perfume
Installed By: Drip Irrigation BD Ltd.
Site Location: Boro Garage, Boddarhat



Valve setup from Main Line



Overall scenario of the project



LDPE & Literal Pipe with Adjustable Dripper



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
4000 BDT	20 Decimals	2025	23 February 2025 to 23 February 2025	Flower

Site Challenge: Difficult to manage time for irrigation in the rooftop Plant

Engineering Achievement: Drip irrigation for 120 Plants were solved the problem

Major Equipment Deployed: Filter, Adjustable dripper, Feeder tube, drip tube & connector | **Site Supervision:** Mobinul Islam Regional Manager, Chattogram Branch.

PROJECT NO. 39 OF 100 · CODE: —

1.1.7 Rooftop & Balcony Garden Project · FY 2023-24

Drip Irrigation System at Roof Top Garden.

Funded By: Md. Zakaria (Harun villa)
Implemented By: Md. Zakaria
Installed By: Drip Irrigation BD Ltd.
Site Location: Chittagong Road, Shidhergong, Narayanganj



Project setup by DIBL Team members



Project setup by DIBL Team members



Project setup by DIBL Team members



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
11,404 BDT	2000 Squ	2023-24	1 Nov 2023	Rose, Mango, Malta.

Site Challenge: Source of water.

Engineering Achievement: Drip Irrigation with Header Tank

Major Equipment Deployed: Adjustable dripper with feeder line. | **Site Supervision:** Asst Engineer Md. Masud Rana, Dhaka Branch

PROJECT NO. 40 OF 100 · CODE: —

1.1.7 Rooftop & Balcony Garden Project · FY 2023-24

Drip Irrigation on Rooftop Garden.

Funded By: MA Zaman
Implemented By: MA Zaman
Installed By: Drip Irrigation BD Ltd.
Site Location: Mothertake, Basabo, Garments Goli, Dhaka.



Project setup by DIBL Team members



Water discharge by dripper nozzle



Project setup by DIBL Team members



Project setup by DIBL Team members

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
12,000 BDT.	1,000 Squ.	2023-24	25 Feb 2024.	Tomato, Flower.

Site Challenge: Source of water. Labour.

Engineering Achievement: Drip Irrigation System.

Major Equipment Deployed: Adjustable dripper. | **Site Supervision:** Asst Engineer Md. Masud Rana, Dhaka Branch.

PROJECT NO. 41 OF 100 · CODE: —

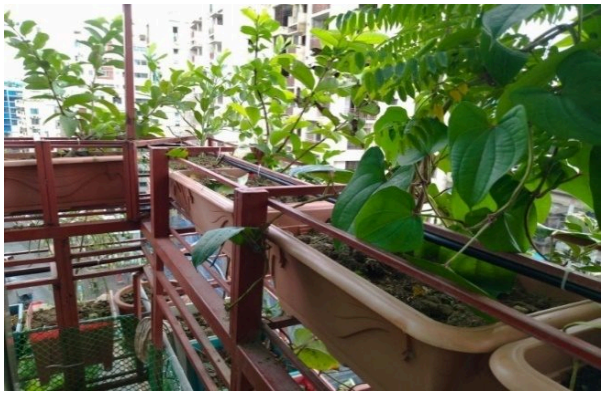
1.1.7 Rooftop & Balcony Garden Project · FY 2023-24

Drip Irrigation System in Balcony Garden

Funded By: Mr. Manik
Implemented By: Mr. Manik
Installed By: Drip Irrigation BD Ltd
Site Location: Chalkbazar, CTG



Overall scenario of the project



Overall scenario of the project



Overall scenario of the project



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
12,000 BDT	01 decimal	2023-24	06-07 September 2023	Ornamental, fruit and vegetables plant in balcony garden

Site Challenge: Difficult to provide plant irrigation in belcony garden

Engineering Achievement: Drip irrigation with gravity force were solved the problem

Major Equipment Deployed: Filter, adjustable dripper, Drip tube and connector | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 42 OF 100 · CODE: —

1.1.8 Vertical Garden Project · FY 2023-24

Drip & Vertical Garden Irrigation System.

Funded By: BKMEA
Implemented By: Giasa Uddin
Installed By: Drip Irrigation BD Ltd.
Site Location: Narayangang



Project setup by DIBL Team members



Project setup by DIBL Team members



Water discharge by dripper nozzle



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	ORCHARD
80,172 BDT.	1500 Squ.	2023-24	25 Jun 2024 to 30 Jun 2024.	Flower.

Site Challenge: Source of water, Main water line, Automation Box Setup, Electric Valve Setup.

Engineering Achievement: Installation Pipe line, Automation Box Setup, Electric Valve Setup.

Major Equipment Deployed: PC Dripper. Adj Dripper. | **Site Supervision:** Asst Engineer Md. Masud Rana, Dhaka Branch.

PROJECT NO. 43 OF 100 · CODE: —

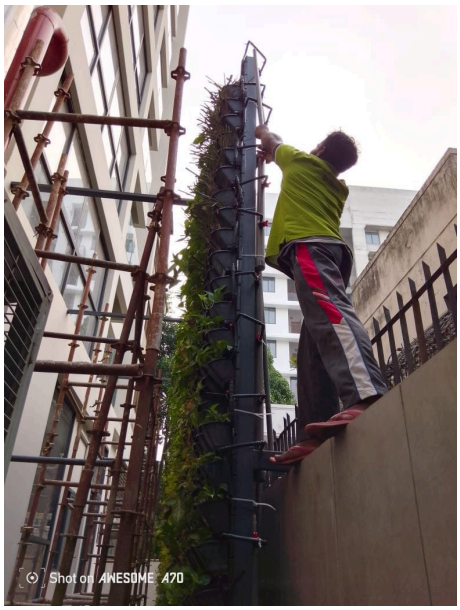
1.1.8 Vertical Garden Project · FY 2023-24

Vertical Garden Irrigation System.

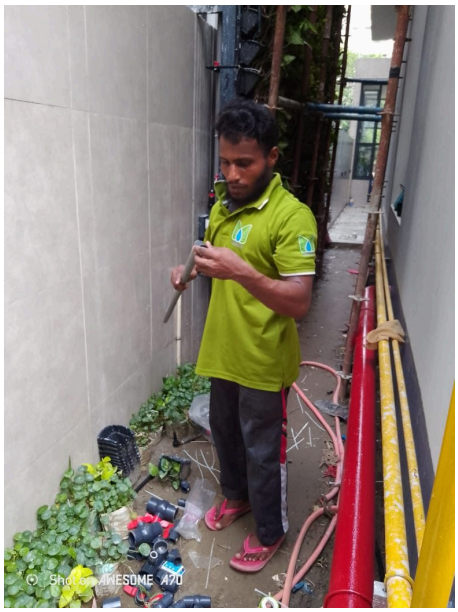
Funded By: Moon view
Implemented By: Mr. Taher.
Installed By: Drip Irrigation BD Ltd.
Site Location: Baridhara, Block -K, Road No-4, House no -4.



Project setup by DIBL Team members



Project setup by DIBL Team members



Project setup by DIBL Team members



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	ORCHARD
97,880 BDT.	1200 Squ.	2023-24	21 May 2024 to 11 Jun 2024.	Flower.

Site Challenge: Source of water, Main water line.

Engineering Achievement: Installation Pipe line.

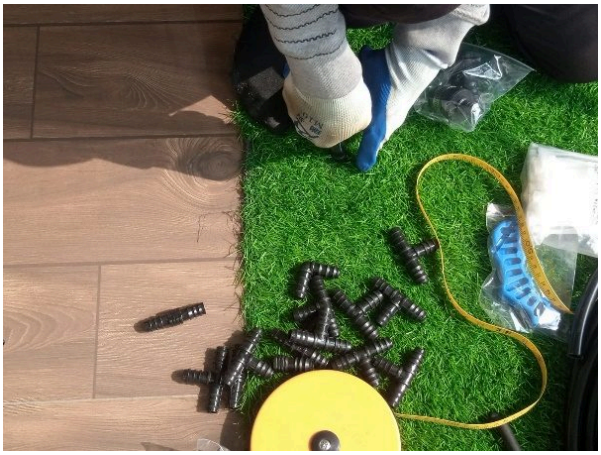
Major Equipment Deployed: PC Dripper. | **Site Supervision:** Asst Engineer Md. Masud Rana, Dhaka Branch.

PROJECT NO. 44 OF 100 · CODE: —

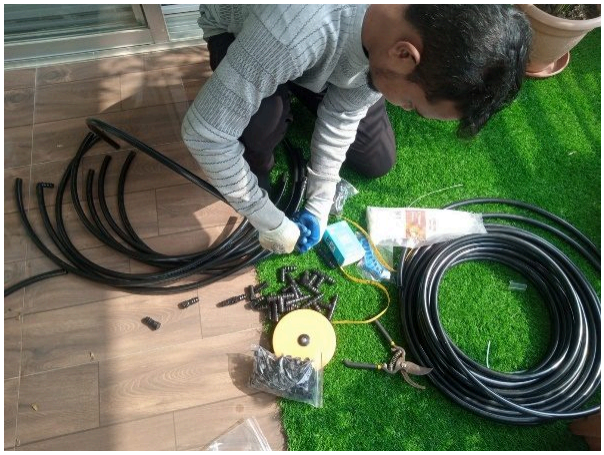
1.1.8 Vertical Garden Project · FY 2023-24

Drip Irrigation System at Vertical Garden.

Funded By: S.A Munem
Implemented By: S.A Munem
Installed By: Drip Irrigation BD Ltd.
Site Location: Baridhara, Gulshan-2



Project setup by DIBL Team members



Project setup by DIBL Team members



Project setup by DIBL Team members



Project setup by DIBL Team members

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	ORCHARD
10,970 BDT	200 Squ	2023-24	18 Jan 2024	Money Plant.

Site Challenge: Source of water.

Engineering Achievement: Automatic Irrigation.

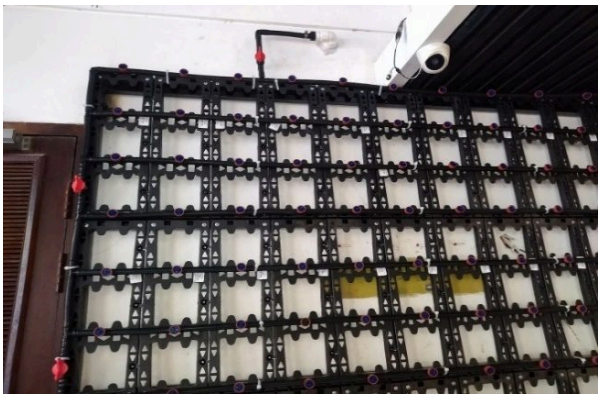
Major Equipment Deployed: PC dripper. | **Site Supervision:** Asst Engineer Md. Masud Rana, Dhaka Branch

PROJECT NO. 45 OF 100 · CODE: —

1.1.8 Vertical Garden Project · FY 2023-24

Automatic Drip Irrigation System in Vertical Garden

Funded By: Handi Restaurant
Implemented By: Handi Restaurant
Installed By: Drip Irrigation BD Ltd.
Site Location: Dampara, Chattogram



Project setup by DIBL Team members



Overall scenario of the project



Overall scenario of the project



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
22,000 BDT	0.5 decimal	2023-24	20-22 August 2023	Ornamental plant in vertical garden

Site Challenge: Difficult to provide plant irrigation in vertical garden

Engineering Achievement: Drip irrigation with automation and gravity force were solved the problem

Major Equipment Deployed: Filter, Wifi timer, solenoid valve, PC dripper, Feeder tube, Drip tube and connector | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 46 OF 100 · CODE: CTGSS98

1.1.9 Landscape & Agro Beautification · FY 2025

Installation of Drip Irrigation System in Landscape Garden.

Funded By: Fujitech
Implemented By: Fujitech
Installed By: Drip Irrigation BD Ltd.
Site Location: Khulshi, Chattogram



Automation Box Setup



Centrifugal pump setup



Bypass valve setup from Main Line



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
50000 BDT	05 Decimals	2025	12 August 2025 to 12 August 2025	Landscape Garden.

Site Challenge: On time irrigation, Beautification, Automation

Engineering Achievement: Automatic Sprinkler Irrigation system setup for whole garden

Major Equipment Deployed: Centrifugal pump, Programmable Timer, Filter & Sprinkler. | **Site Supervision:** Rasel MollaTechnical Officer, Chattogram Branch.

PROJECT NO. 47 OF 100 · CODE: CTGSS105

1.1.9 Landscape & Agro Beautification · FY 2025-26

Installation of Drip Irrigation System in Landscape Garden.

Funded By: Chattogram Cantonment Public College
Implemented By: Chattogram Cantonment Public College
Installed By: Drip Irrigation BD Ltd.
Site Location: Bayazid Bostami Rd, Chattogram 4210



Overall scenario of the project



Overall scenario of the project



Adjustable dripper & DIBL Pipe setup



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
6000 BDT	05 Decimals	2025-26	14 September 2025 to 14 September 2025	Flower

Site Challenge: Difficult to manage time for irrigation in rooftop Plant

Engineering Achievement: Drip irrigation for 100 Plants were solved the problem

Major Equipment Deployed: Filter, Adjustable dripper, Feeder tube, drip tube & connector | **Site Supervision:** Mobinul Islam Regional Manager, Chattogram Branch.

PROJECT NO. 48 OF 100 · CODE: —

1.1.9 Landscape & Agro Beautification · FY 2023-24

Drip Irrigation System at Graments Garden.

Funded By: Continantal Garments pvt Ltd
Implemented By: Mr Shipar
Installed By: Drip Irrigation BD Ltd.
Site Location: Pukurpar , Jirabo, Ashulia.



Water discharge by dripper nozzle



Water discharge by dripper nozzle



Water discharge by dripper nozzle



Project setup by DIBL Team members

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
5,770 BDT	1000 Squ	2023-24	11 Dec 2023	Lemon, flower.

Site Challenge: Source of water. Technical Knowledge of farmer.

Engineering Achievement: Drip Irrigation with Pressure Pump, Water Filter Install

Major Equipment Deployed: Adjustable dripper, Water Filter. | **Site Supervision:** Asst Engineer Md. Masud Rana, Dhaka Branch

PROJECT NO. 49 OF 100 · CODE: —

1.1.9 Landscape & Agro Beautification · FY 2023-24

Drip & Sprinkler Irrigation System in Bunglo House

Funded By: TK Group

Implemented By: Summer Hill Residence Project

Installed By: Drip Irrigation BD Ltd

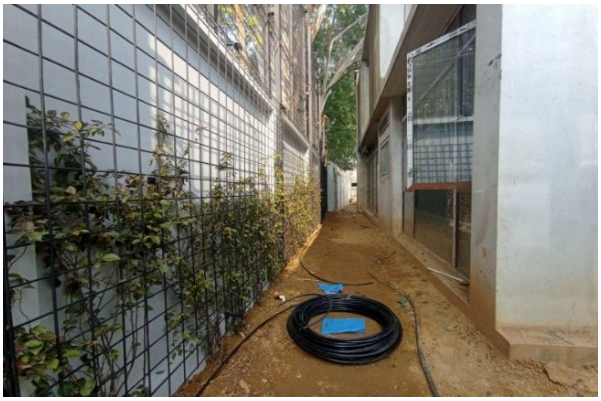
Site Location: Summer Hill Residential, Forest gate, Chattogram



Project setup by DIBL Team members



Overall scenario of the project



Overall scenario of the project



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
180,000 BDT	2.5 bigha	2023-24	Running Project	Turf, Fruits & Ornamental plants in Bunglo House

Site Challenge: Source of water, Labour, Large area, Irrigation scheduling

Engineering Achievement: Installation of Drip & Sprinkler Irrigation system by centrifugal pump were solved the problem

Major Equipment Deployed: Pump, Filter, cPVC Pipe, Thread pipe, Adjustable dripper, Impact Sprinkler, Popup Sprinkler, online drip tube and connector | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 50 OF 100 · CODE: —

1.1.9 Landscape & Agro Beautification · FY 2023-24

Sprinkler Irrigation System for Ornamental and Fruits Orchard in front of Office Premises

Funded By: Green Rooftop Nursery
Implemented By: Green Rooftop Nursery
Installed By: Drip Irrigation BD Ltd.
Site Location: BSC bhaban, Chittagong port, Chittagong



Project setup by DIBL Team members



Overall scenario of the project



Mainline pipe networking



Water discharge by sprinkler nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
45,000 BDT	15 decimal	2023-24	22 January to 07 February 2024	Fruits & Ornamental plants in front of Office premises

Site Challenge: Source of water, Labour, Large area, Irrigation scheduling

Engineering Achievement: Installation of Sprinkler Irrigation system by submersible pump were solved the problem

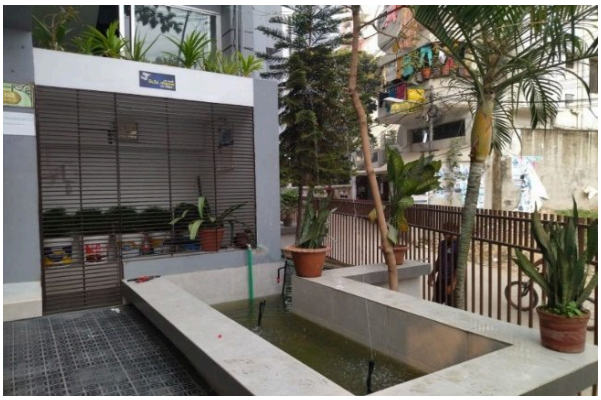
Major Equipment Deployed: Pump, Filter, HPDE Pipe, Thread pipe, Mini Sprinkler, Popup Sprinkler, online drip tube and connector | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 51 OF 100 · CODE: —

1.1.9 Landscape & Agro Beautification · FY 2022-23

Fountain System in Large Aquarium

Funded By: Belayet Hossain Chowdhury
Implemented By: Belayet Hossain Chowdhury
Installed By: Drip Irrigation BD Ltd
Site Location: Mayor Goli, Nasirabad



Overall scenario of the project



Overall scenario of the project



Overall scenario of the project



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	GARDEN
4000 BDT	0.5 decimal	2022-23	14 February 2023	Fountain System setup inside Large Aquarim

Site Challenge: Oxygen supply, water balance maintenance

Engineering Achievement: Vortex sprayer with gravity force were solved the problem

Major Equipment Deployed: Vortex sprayer, adjustable dripper, drip tube, connector | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

SERVICE OVERVIEW 02 OF 06 · DIVISION 1.2

PORTFOLIO FOLIOS #52 - #71 (20 PROJECTS)

Sprinkler Irrigation Systems

Uniform Overhead Artificial Rainfall, Lawn Pop-Ups & Industrial Evaporative Shed Cooling

Designed for crops, pastures, nurseries, tea gardens, and turf landscapes requiring full-canopy wetting or microclimate cooling. DIBL configures brass impact heads, micro-rotors, and pop-up turf nozzles using hydraulic head-loss curves matched to site pump curves.



Heavy-Duty Brass Impact Sprinkler Assembly



Micro-Sprinkler Broadcast Over Broadleaf Crops



Retractable Pop-Up Lawn & Estate Landscape Spray



High-Clearance Riser Sprinkler Over Fodder Fields

Standard Engineering Parameters

Throw & Coverage	2.5 m - 24 m throw radius across 90 to 360 degree arc geometry
Nozzle Family	Brass Impact, Butterfly & Rotor Micro-Sprinklers, Retractable Pop-Ups
Operating Pressure	1.5 - 4.0 bar with swing-joint risers and drain/check valves
Thermal Duty	Overhead shed-roof sprinkler arrays lowering indoor heat by 4 - 7 deg C

Subcategories & Sectors Covered Here (20 Projects)

- 1.2.1 EGP Institutional Tenders
- 1.2.2 NGO Community Demonstrations
- 1.2.3 Fruit & Dragon Fruit Canopies
- 1.2.4 Broadleaf Vegetable & Citrus Blocks
- 1.2.5 Dairy Fodder & Napier Grass Fields
- 1.2.6 Ornamental & Seedling Nurseries
- 1.2.7 Above-Shed Roof Cooling Arrays

PROJECT NO. 52 OF 100 · CODE: BOGSS72

1.2.1 EGP Tender Project · FY 2025-26

Installation of Sprinkler Irrigation System in Flowers Garden Orchards.

Funded By: BADC
Implemented By: BADC
Installed By: Drip Irrigation BD Ltd.
Site Location: Nischintopur, Bogura.



Project setup by DIBL Team members



Overall scenario of the project



Field Inspection by BADC.



Water discharge by Dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
2,15,000 BDT	130 Decimals	2025-26	14 August 2025 to 16 August 2025	Flowers Garden

Site Challenge: Source of water, Source of Electricity, Labor, Large area

Engineering Achievement: Automatic Timer based Sprinkler Irrigation with Diesel Pump & Header Tank

Major Equipment Deployed: Sprinkler, Venture, Filter ETC | **Site Supervision:** Agriculturist Md. Shamsuzzaman summon Assistant Director, Bogura Branch.

PROJECT NO. 53 OF 100 · CODE: BOGSS70

1.2.1 EGP Tender Project · FY 2025-26

Installation of Sprinkler Irrigation System in Nursery Garden Orchards.

Funded By: BADC
Implemented By: BADC
Installed By: Drip Irrigation BD Ltd.
Site Location: Gabtaoli,Bogura.



Project setup by DIBL Team members



Overall scenario of the project



Field Inspection by BADC.



Water discharge by Dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
2,15,000 BDT	150 Decimals	2025-26	21August 2025 to 23August 2025	Nursery Garden

Site Challenge: Source of water, Source of Electricity, Labour, Large area

Engineering Achievement: Automatic Timer based Drip Irrigation with Diesel Pump & Header Tank

Major Equipment Deployed: Sprinkler, Venture, Filter ETC | **Site Supervision:** Agriculturist Md. Shamsuzzaman summon Assistant Director, Bogura Branch.

PROJECT NO. 54 OF 100 · CODE: CTGSS116

1.2.1 EGP Tender Project · FY 2025

Installation of Sprinkler Irrigation System in Mixed Fruits Orchard.

Funded By: BADC (PARTNER)
Implemented By: BADC Khagrachari
Installed By: Drip Irrigation BD Ltd.
Site Location: Khagrachari Sadar, Khagrachari



Project setup by DIBL Plumber



Overall scenario of the project



Sprinkler setup



Water discharge by Sprinkler nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
64090 BDT	60 Decimals	2025	13 December 2025 to 20 December 2025	Mixed Fruit orchard.

Site Challenge: Irrigation maintenance, Labour, Schedule maintenance

Engineering Achievement: Automatic Sprinkler Irrigation system setup for whole Garden.

Major Equipment Deployed: Submersible Pump, PVC Pipe, PVC Fittings, Filter & Sprinkler. | **Site Supervision:** Mobinul Islam Regional Manager, Chattogram Branch.

PROJECT NO. 55 OF 100 · CODE: SYLSS02

1.2.1 EGP Tender Project · FY 2025-26

Installation of Sprinkler irrigation system.

Funded By: BADC
Implemented By: BADC
Installed By: Drip Irrigation BD Ltd.
Site Location: Shundartiki, bahubal, hobigong



Project setup by DIBL Team members



Main line setup



Water discharge by Dripper nozzle



Overall scenario of the project

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
190000 BDT	150 Decimals	2025-26	20 August 2025 to 28 August 2025	Lemon Garden.

Site Challenge: Source of water, Source of Electricity dip wall, Labour, Large area.

Engineering Achievement: Sprinkler Irrigation system setup for whole Garden.

Major Equipment Deployed: Sprinkler, Venture, Filter ETC | **Site Supervision:** Md. Asadul Islam Sub-Assistant Engineer, Shylet Branch..

PROJECT NO. 56 OF 100 · CODE: —

1.2.1 EGP Tender Project · FY 2023-24

Installation of 02 Nos. Sprinkler Irrigation System at any upazila under Rangamati Region.

Funded By: Program on Agricultural and Rural Transformation for Nutrition, Entrepreneurship and Resilience (PARTNER)

Implemented By: Executive Engineer (MI), BADC, Rangamati Region

Installed By: Contractor: M.S SS Trading; Implementing Partner: Drip Irrigation BD Ltd.

Site Location: Dungri Headman para, Naikhongchari, Bandarban



Overall scenario of the project



Pump, Filter and pipe setup



Overall scenario of the project



Sprinkler setup

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
7,63,000 BDT (25%)	1 Acre	2023-24	22 Feb to 30 May 2024	Lemon & Mango

Site Challenge: Source of water, Labour, Large area, Hill slope

Engineering Achievement: Automatic Timer based Drip Irrigation with Submersible Pump & Header Tank

Major Equipment Deployed: DIBL Programmable timer, Filter, Venturi, Pressure gauge, Air release valve, Flash valve, Adjustable dripper with feeder line & online drip tube | **Site Supervision:** Mobinul Islam, Assistant Engineer, Chattogram Branch

PROJECT NO. 57 OF 100 · CODE: BOGSS79

1.2.2 NGO Funded Project · FY 2025-26

Installation of Sprinkler Irrigation System in Vegetable Orchards.

Funded By: Palli Karma Sahayak Foundation (PKSF).
Implemented By: ESDO
Installed By: Drip Irrigation BD Ltd.
Site Location: Thakurgaon.



Project setup by DIBL Team members



Overall scenario of the project



Field Inspection by ESDO.



Water discharge by Sprinkler nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
41,120 BDT	22 Decimals	2025-26	27 October 2025 to 27 October 2025	Vegetable.

Site Challenge: Source of water, Source of Electricity, Labor, Large area

Engineering Achievement: Automatic Timer based Drip Irrigation with Diesel Pump & Header Tank

Major Equipment Deployed: Sprinkler, Venture, Filter ETC. | **Site Supervision:** Agriculturist Md. Shamsuzzaman summon Assistant Director, Bogura Branch.

PROJECT NO. 58 OF 100 · CODE: CTGSS115

1.2.2 NGO Funded Project · FY 2025

Installation of Sprinkler Irrigation System in Nursery.

Funded By: YPSA
Implemented By: YPSA
Installed By: Drip Irrigation BD Ltd.
Site Location: Mirsarai, Chattogram



Project setup by DIBL Plumber



Overall scenario of the project



Overall scenario of the project



Water discharge by Sprinkler nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
96500 BDT	60 Decimals	2025	28 October 2025 to 17 November 2025	Nursery

Site Challenge: Irrigation maintenance, Labour, Schedule maintenance

Engineering Achievement: Automatic Sprinkler Irrigation system setup for whole Nursery.

Major Equipment Deployed: Submersible Pump, PVC Pipe, PVC Fittings, Filter & Sprinkler. | **Site Supervision:** Rasel MollaTechnical Officer, Chattogram Branch.

PROJECT NO. 59 OF 100 · CODE: BOGSS81

1.2.2 NGO Funded Project · FY 2025-26

Installation of Sprinkler Irrigation System in Mango And Dragon Fruit Orchards.

Funded By: Palli Karma Sahayak Foundation (PKSF).
Implemented By: Ghashful.
Installed By: Drip Irrigation BD Ltd.
Site Location: Niyamotpur,Naogaon.



Project setup by DIBL Work



Overall scenario of the project



Field Inspection by (Ghashful).



Water discharge by Sprinkler nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
45,000 BDT	33 Decimals	2025-26	12 November 2025 to 12 November 2025	Mango And Dragon fruits.

Site Challenge: Source of water, Source of Electricity, Labour, Large area

Engineering Achievement: Automatic Timer based Drip Irrigation with Diesel Pump & Header Tank

Major Equipment Deployed: Sprinkler, Venture, Filter ETC. | **Site Supervision:** Md. Mofazzal Hossin Sub-Assistant Engineer,Bogura Branch.

PROJECT NO. 60 OF 100 · CODE: BOGSS84

1.2.2 NGO Funded Project · FY 2025-26

Installation of Sprinkler Irrigation System in litchi fruit Orchards.

Funded By: Palli Karmo Shohaok Foundation (PKSF).
Implemented By: Aso
Installed By: Drip Irrigation BD Ltd.
Site Location: Naogaon.



Project setup by DIBL Team Work



Overall scenario of the project



Field Inspection by Aso



Water discharge by Sprinkler nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
28,970 BDT	60 Decimals	2025-26	25 December 2025 to 25 December 2025	Lychee.

Site Challenge: Source of water, Source of Electricity, Labour, Large area

Engineering Achievement: Automatic Timer based Drip Irrigation with Diesel Pump & Header Tank

Major Equipment Deployed: Sprinkler, Venture, Filter ETC. | **Site Supervision:** Agriculturist Md. Shamsuzzaman summon Assistant Director, Bogura Branch.

PROJECT NO. 61 OF 100 · CODE: BOGSS40

1.2.3 Fruit & Dragon Orchard Project · FY 2025-26

Installation of Sprinkler Irrigation in Vegetable Orchards.

Funded By: Nilphamari Govt. Collage.
Implemented By: Nilphamari Govt. Collage.
Installed By: Drip Irrigation BD Ltd.
Site Location: Sadar, Nilphamari.



Project setup by DIBL Team members



Overall scenario of the project



Field Inspection by Nilphamari Govt. Collage.



Water discharge by Sprinkler nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
19,900 BDT	20 Decimals	2025-26	08 March 2025 to 08 March 2025	Vegetable Garden.

Site Challenge: Source of water, Source of Electricity, Labour, Large area

Engineering Achievement: Automatic Sprinkler Irrigation with Pump.

Major Equipment Deployed: Popup Sprinkler, Mini Sprinkler, Screen Filter. | **Site Supervision:** Md. Mofazzal Hossin Sub-Assistant Engineer,Bogura Branch.

PROJECT NO. 62 OF 100 · CODE: JSRSS46

1.2.3 Fruit & Dragon Orchard Project · FY 2024-25

Installation of Micro Sprinkler Irrigation System

Funded By: Riton
Implemented By: Riton
Installed By: Drip Irrigation BD Ltd.
Site Location: Jibannagar, Chuadanga.



Overall scenario of the project



Water discharge by sprinklar nozzle



Water discharge by Dripper nozzle



Project setup by DIBL Team members

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
149,368 BDT	2 acres	2024-25	5 Feb 2025	Dragon Fruit

Site Challenge: Source of water, Source of Electricity, Labour, Large area

Engineering Achievement: Drip Irrigation with Centrifugal Pump & Header Tank

Major Equipment Deployed: LDPE Tube, Micro Sprinkler with feeder line | **Site Supervision:** Assistant Engineer Masud Rana, Jessore Branch

PROJECT NO. 63 OF 100 · CODE: JSRSS51

1.2.3 Fruit & Dragon Orchard Project · FY 2024-25

Installation Sprinkler Irrigation System

Funded By: Palli Karma-Sahayak Foundation (PKSF)
Implemented By: Shishu Niloy Foundation (SNF)
Installed By: Drip Irrigation BD Ltd.
Site Location: Vatpara, Chaugachha, Jessore.



Overall scenario of the project



Water discharge by sprinkler nozzle



Water discharge by sprinkler nozzle



Project setup by DIBL Team members

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
17,000 BDT	50 Decimal	2024-25	28 jun 2025 30 jun 2025	Rambutan Fruit Garden

Site Challenge: Source of water, Source of Electricity, Labour, Large area.

Engineering Achievement: Sprinkler irrigation with Submersible Pump Installation.

Major Equipment Deployed: Submersible Pump, sprinkler. | **Site Supervision:** Assistant Engineer Masud Rana, Jessore Branch

PROJECT NO. 64 OF 100 · CODE: JSRSS67

1.2.3 Fruit & Dragon Orchard Project · FY 2024-25

Installation of Sprinkler Irrigation System

Funded By: Palli Karma-Sahayak Foundation (PKSF)
Implemented By: Wave Foundation
Installed By: Drip Irrigation BD Ltd.
Site Location: Juranpur, Chuadanga.



Overall scenario of the project



Water discharge by Dripper nozzle



Field Inspection by Wave Foundation Teem



Project setup by DIBL Team members

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
29,000 BDT	33 Decimal	2024-25	12 DEC 2025	Malta Garden

Site Challenge: Source of water, Labour.

Engineering Achievement: Sprinkler Irrigation with Submersible Pump.

Major Equipment Deployed: Filter, Venture, Head Unit, Sprinkler. | **Site Supervision:** Assistant Engineer Masud Rana, Jessore Branch

PROJECT NO. 65 OF 100 · CODE: —

1.2.3 Fruit & Dragon Orchard Project · FY 2022-23

Sprinkler Irrigation system.

Funded By: Pallave Ghosh
Implemented By: Pallave Ghosh
Installed By: Drip Irrigation BD Ltd.
Site Location: Khuniya,Khulna



Field inspection by farmer



Mainline Irrigation setup from water pump



Project site location



Water discharge by vortex

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
22,690 BDT excluding VAT & TAX	80 Decimal	2022-23	10 July 2024 to 12 July 2024	Dragon fruit

Site Challenge: Labour

Engineering Achievement: Drip Irrigation with jet pump

Major Equipment Deployed: Water pump, 45 feet sprinkler, | **Site Supervision:** Field officer: Md. Masum Billah

PROJECT NO. 66 OF 100 · CODE: BOGSS82

1.2.4 Vegetables & Citrus Orchard Project · FY 2025-26

Installation of Drip And Sprinkler Irrigation System in Vegetable And Orange Garden.

Funded By: Abul Kalam Ajab
Implemented By: Abul Kalam Ajab
Installed By: Drip Irrigation BD Ltd.
Site Location: Nachol,Rajshahi.



Project setup by DIBL



Overall scenario of the project



Field Inspection by Maya Agro Farm.



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
78,000 BDT	133 Decimals	2025-26	13 November 2025 to 16 November 2025	Vegetable and Orange.

Site Challenge: Source of water, Source of Electricity dip wall, Labour, Large area

Engineering Achievement: Automatic Timer based Drip Irrigation with Diesel Pump & Header Tank

Major Equipment Deployed: Sprinkler, Venture, Filter ETC. | **Site Supervision:** Agriculturist Md. Shamsuzzaman summon Assistant Director, Bogura Branch.

PROJECT NO. 67 OF 100 · CODE: —

1.2.4 Vegetables & Citrus Orchard Project · FY 2023-24

Sprinkler Irrigation System in Vegetable Garden

Funded By: Nilphamari gov collage
Implemented By: Mahbub Rahman
Installed By: Drip Irrigation BD Ltd.
Site Location: Nilphamari govt collage



Overall scenario of the project



Project setup by DIBL Team members



Overall scenario of the project



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
30457	20 decimals	2023-24	23/06/2024 to 24/06/2024	Lawn With Mixed Vegetable

Site Challenge: Road, Long Distance water Source

Engineering Achievement: Sprinkler Irrigation with Pump & Header Tank

Major Equipment Deployed: Jet Pump, Sprinkler LDPE TUBE, Supported Stand | **Site Supervision:** Moffazal Hossin, Sub Assistant Engineer, Bogura Branch

PROJECT NO. 68 OF 100 · CODE: —

1.2.5 Livestock Grass Field Project · FY 2023-24

Sprinkler Irrigation System.

Funded By: Kiron Sir
Implemented By: Kiron Sir
Installed By: Drip Irrigation BD Ltd.
Site Location: Pubail, Gazipur.



Project setup by DIBL Team members



Project setup by DIBL Team members



Water discharge by dripper nozzle



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	ORCHARD
236,000 BDT.	5,000 Squ.	2023-24	08 Aug 2023 to 20 Aug 2023.	Grass, Mango Garden.

Site Challenge: Source of water, Main water line, Automation Box Setup, Electric Valve Setup.

Engineering Achievement: Installation Pipe line, Automation Box Setup, Electric Valve Setup.

Major Equipment Deployed: Pop up Sprinkler, Adj Dripper. | **Site Supervision:** Asst Engineer Md. Masud Rana, Dhaka Branch.

PROJECT NO. 69 OF 100 · CODE: —

1.2.5 Livestock Grass Field Project · FY 2023-24

Automatic Sprinkler Irrigation System for Livestock Grass

Funded By: S Alam Group
Implemented By: Barakah Farm House, Anwara
Installed By: Drip Irrigation BD Ltd.
Site Location: Anwra, Chattogram



Project automation setup



Pump setup



Sprinkler setup



Water discharge by sprinkler nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
350,000 BDT	05 acres	2023-24	12 October to 04 December 2023	Napier Grass, Grazing land, Fruits & Vegetables

Site Challenge: Large area, Irrigation scheduling & maintenance, Labour charge

Engineering Achievement: Sprinkler Irrigation for whole areas with automation were solved the problem

Major Equipment Deployed: Water pump, Wifi Timer, Solenoid valve, HDPE coil pipe, thread pipe, pvc fittings, big/mini/popup sprinkler | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 70 OF 100 · CODE: —

1.2.6 Nursery Garden Project · FY 2023-24

Sprinkler Irrigation System in Nursery Shed

Funded By: IDF
Implemented By: IDF Matiranga Region
Installed By: Drip Irrigation BD Ltd.
Site Location: Matiranga, Khagrachari



Project setup by DIBL Team members



Overall scenario of the project



sprinkler nozzle



Water discharge by sprinkler nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
15,000 BDT	15 decimals	2023-24	07 August 2023	Fruit orchard in Nursery

Site Challenge: Irrigation maintenance, Labour charge

Engineering Achievement: Sprinkler Irrigation for whole nursery areas were solved the problem

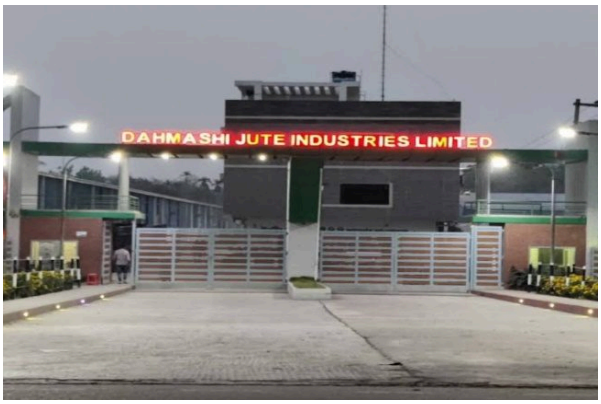
Major Equipment Deployed: Water pump, HDPE coil pipe, thread pipe, big sprinkler | **Site Supervision:** Md. Rasel Molla, Technical Officer, Chattogram Branch

PROJECT NO. 71 OF 100 · CODE: —

1.2.7 Above Shed / Industrial Cooling · FY 2022-23

Sprinkler Irrigation system.

Funded By: Dahmashi Jute Industries Ltd.
Implemented By: Eng. Robiul Islam
Installed By: Drip Irrigation BD Ltd.
Site Location: Komarpur, Faridpur.



Dahmashi Jute Industries Ltd.



Mainline Irrigation setup from DIBL Team member



Overall scenario of the project



Water discharge by 45feet sprinkler

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
30000 BDT excluding VAT & TAX	12 Decimal	2022-23	25 May 2024 to 14 May 2024	Dahmashi Jute Industries Ltd.

Site Challenge: Labour

Engineering Achievement: Drip Irrigation with jet pump

Major Equipment Deployed: Water pump, Sprinkler irrigation system | **Site Supervision:** Field officer: Md. Masum Billah

SERVICE OVERVIEW 03 OF 06 · DIVISION 1.3

PORTFOLIO FOLIOS #72 - #88 (17 PROJECTS)

High-Pressure Fogging & Mist Cooling

Micronized Evaporative Cooling & Precision Relative Humidity Control for Livestock, Crops & Industry

By atomizing filtered water into 5 to 20 micron droplets through anti-drip brass and stainless-steel orifices, DIBL fogging lines achieve rapid flash evaporation without floor wetting, preventing heat stress in dairy/poultry barns and sustaining ideal RH inside mushroom, orchid, and tea-processing facilities.



4-Way Anti-Drip Foggers Above Seedling Propagation Beds



High-Pressure Evaporative Mist Array Inside Poultry House



Controlled-Environment Mushroom & AC Cooling Chamber



Supermarket Fresh Produce Shelf Hydration & Mist Display

Standard Engineering Parameters

Pump & Line Pressure	40 - 70 bar (600 - 1,000 PSI) forged-brass plunger pumps; nylon / SS304 tubing
Droplet & Orifice	0.15 mm - 0.30 mm anti-drip nozzles (0.04 - 0.10 LPM per head)
Cooling Potential	5 - 10 deg C dry-bulb reduction with rapid humidity equilibration
Control Modes	Cyclic short-pulse digital timers or automated Temp/RH sensor feedback

Subcategories & Sectors Covered Here (17 Projects)

- 1.3.1 NGO Climate-Resilience Cooling
- 1.3.2 Dairy, Fattening Bull & Poultry Sheds
- 1.3.3 Controlled Oyster & Button Mushroom Houses
- 1.3.4 Seedling Nurseries, Orchids & Cactus Houses
- 1.3.5 Tea Rolling Rooms & Textile Workshops
- 1.3.6 Hydroponic Green Fodder Chambers
- 1.3.7 Orchard Frost & Bloom Stress Mitigation

PROJECT NO. 72 OF 100 · CODE: —

1.3.1 NGO Funded Cooling Project · FY 2023-24

Automation Cooling System in Bull Shed

Funded By: BRAC
Implemented By: Kamrul
Installed By: Drip Irrigation BD Ltd.
Site Location: Mirzapur, Bogura



Project setup by DIBL Team members



Automation Setup



Overall scenario of the project



Project setup by DIBL Team members

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	SHED
355185	Mirzapur, Sherpur, Bogura	2023-24	8.06.2024 to 15/06/2024	Bull Shed

Site Challenge: Automation Setup, Long Distance, Labor, Plumber.

Engineering Achievement: Automatic Timer based Drip Irrigation with Jet pump & Header Tank

Major Equipment Deployed: DB Box, Sensor, Magnetic Connector, Digital Indicator Fogger with feeder line & online drip tube | **Site Supervision:** Agriculturist Md Shamsuzzaman sumon, Assistant Director, Bogura Branch

PROJECT NO. 73 OF 100 · CODE: —

1.3.1 NGO Funded Cooling Project · FY 2023-24

Automation Cooling System

Funded By: BRAC BULL & BUCK STATION
Implemented By: Mr. Shohag
Installed By: Drip Irrigation BD Ltd.
Site Location: Shombhugonj, Mymensingh



Shed Visting of Branch Manager Mymensingh



BRAC Mymensingh



Automation DB BOX Setup



Water discharge by Fogger nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	SHED
170300	5 decimals	2023-24	11/07/2024 to 25/7/2024	BULL Shed

Site Challenge: Automation Setup, Long Distance, Labor, Plumber.

Engineering Achievement: Automatic Timer based Drip Irrigation with Diesel Pump & Header Tank

Major Equipment Deployed: Programmable timer, Filter, Venturi, Pressure gauge, Air release valve, Flash valve, Adjustable dripper with feeder line & online drip tube | **Site Supervision:** Agriculturist Md.Shamsuzzaman sumon, Assistant Director, Bogura Branch

PROJECT NO. 74 OF 100 · CODE: BOGSS 45

1.3.2 Dairy, Bull & Poultry Shed Cooling · FY 2025-26

Installation of Fogger System in Cow shade.

Funded By: NDP
Implemented By: NDP
Installed By: Drip Irrigation BD Ltd.
Site Location: Shirajgonj,Protap.



Project setup by DIBL



Overall scenario of the project



Field Inspection by NDP.



Water discharge by Fogger nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
46,970 BDT	10 Decimals	2025-26	15 April 2025 to 15 April 2025	COW

Site Challenge: Source of water, Source of Electricity dip wall, Labour, Large area.

Engineering Achievement: Automatic Sensor based Fogger System.

Major Equipment Deployed: Fogger System. | **Site Supervision:** Agriculturist Md. Shamsuzzaman summon Assistant Director, Bogura Branch.

PROJECT NO. 75 OF 100 · CODE: BOGSS48

1.3.2 Dairy, Bull & Poultry Shed Cooling · FY 2025-26

Installation of Fogger System in Cow Shade.

Funded By: NDP
Implemented By: NDP
Installed By: Drip Irrigation BD Ltd.
Site Location: Shirajgonj.



Project setup by DIBL



Overall scenario of the project



Field Inspection by NDP.



Water discharge by Fogger nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
9.460 BDT	11 Decimals	2025-26	29 April 2025 to 29 April 2025	Poultry Shade.

Site Challenge: Source of water, Source of Electricity dip wall, Labour, Large area.

Engineering Achievement: Automatic Sensor based Fogger System.

Major Equipment Deployed: Fogger System. | **Site Supervision:** Agriculturist Md. Shamsuzzaman summon Assistant Director, Bogura Branch.

PROJECT NO. 76 OF 100 · CODE: BOGSS68

1.3.2 Dairy, Bull & Poultry Shed Cooling · FY 2025-26

Installation of Fogger System in Cow Shade.

Funded By: Naba Dairy Farm
Implemented By: Naba Dairy Farm
Installed By: Drip Irrigation BD Ltd.
Site Location: Rajshahi.



Project setup by DIBL



Overall scenario of the project



Field Inspection by Naba Dairy Farm.



Water discharge by Fogger nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
38,025 BDT	40 Decimals	2025-26	17 August 2025 to 17 August 2025	Cow Shade.

Site Challenge: Source of water, Source of Electricity dip wall, Labor, Large area.

Engineering Achievement: Automatic Sensor based Fogger System.

Major Equipment Deployed: Fogger System. | **Site Supervision:** Agriculturist Md. Shamsuzzaman summon Assistant Director, Bogura Branch.

PROJECT NO. 77 OF 100 · CODE: BOGSS47

1.3.2 Dairy, Bull & Poultry Shed Cooling · FY 2025-26

Installation of Fogger System in Poultry Shade.

Funded By: NDP
Implemented By: NDP
Installed By: Drip Irrigation BD Ltd.
Site Location: Shirajgonj,Naimuri.



Project setup by DIBL



Overall scenario of the project



Field Inspection by NDP.



Water discharge by Fogger nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
48,726 BDT	12 Decimals	2025-26	28 April 2025 to 28 April 2025	Poultry Shade.

Site Challenge: Source of water, Source of Electricity dip wall, Labour, Large area.

Engineering Achievement: Automatic Sensor based Fogger System.

Major Equipment Deployed: Fogger System. | **Site Supervision:** Agriculturist Md. Shamsuzzaman summon Assistant Director, Bogura Branch.

PROJECT NO. 78 OF 100 · CODE: —

1.3.2 Dairy, Bull & Poultry Shed Cooling · FY 2022-23

Fogging Irrigation system.

Funded By: Sonaikhali Cow Shed
Implemented By: Md. Polok
Installed By: Drip Irrigation BD Ltd.
Site Location: Sonaikhali, Jhenaidah



Mainline Irrigation setup from water pump



Fogging Irrigation system visit with authority



Fogger setup DIBL Team member



Overall scenario of the project

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
36605 BDT excluding VAT & TAX	30 Decimal	2022-23	06 April 2024 to 06 April 2024	Sonaikhali Cow Shed

Site Challenge: Labour

Engineering Achievement: Drip Irrigation with jet pump

Major Equipment Deployed: Water pump, Misting Fogger, End lock, Screen filter, LDPE drip tube irrigation system | **Site Supervision:** Field officer: Md. Masum Billah

PROJECT NO. 79 OF 100 · CODE: —

1.3.2 Dairy, Bull & Poultry Shed Cooling · FY 2023-24

Sprinkler & Fogging Irrigation System in Poultry Shed

Funded By: Suveccha poultry Farm
Implemented By: Mr. Sadman
Installed By: Drip Irrigation BD Ltd.
Site Location: Gabtali,Bogura.



Instalation Building



FoggerSetup By Poultry Farm



Water discharge by Sprinkler



Project setup by DIBL Team members

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
14728	2.5 Decimal	2023-24	9/4/2024 to 18/4/2024	—

Site Challenge: High Pressure pump

Engineering Achievement: Sprinkler & Fogging Irrigation with Sub Pump.

Major Equipment Deployed: Sprinkler, Fogger LDPE Tube Threat tube | **Site Supervision:** Moffazzal Hossain, Sub Assistant Engineer, Bogura Branch.

PROJECT NO. 80 OF 100 · CODE: BOGSS74

1.3.3 Mushroom Shed Misting · FY 2025-26

Installation of Fogger System in Mushroom Shed.

Funded By: Krishi Bazzer
Implemented By: Krishi Bazzer
Installed By: Drip Irrigation BD Ltd.
Site Location: Rangpur.



Project setup by DIBL



Overall scenario of the project



Field Inspection by Krishi Bazzer



Water discharge by Fogger nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
9,000 BDT	20 Decimals	2025-26	21 September 2025 to 21 September 2025	Mushroom Shade.

Site Challenge: Source of water, Source of Electricity dip wall, Labour, Large area.

Engineering Achievement: Automatic Sensor based Fogger System.

Major Equipment Deployed: Fogger System. | **Site Supervision:** Md. Mofazzal Hossin Sub-Assistant Engineer,Bogura Branch.

PROJECT NO. 81 OF 100 · CODE: —

1.3.3 Mushroom Shed Misting · FY 2022-23

Fogging Spray System inside Mushroom Shed

Funded By: Md. Jahedul Islam
Implemented By: Md. Jahedul Islam
Installed By: Drip Irrigation BD Ltd
Site Location: Savar, Dhaka



Overall scenario of the project



Overall scenario of the project



Overall scenario of the project



Water discharge by fogger nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	SHED
35,000 BDT	10 decimal	2022-23	01 March 2023	Mushroom Shed

Site Challenge: Labour, Irrigation Spray Scheduling

Engineering Achievement: Installation of Fogging spry system by pump were solved the problem

Major Equipment Deployed: Centrifugal Pump, Reserve Tank, Filter, Fogger, fogger tube and connector | **Site Supervision:** Engineer Rokonuzzaman, Assistant Engineer, Dhaka Branch

PROJECT NO. 82 OF 100 · CODE: CTGSS99

1.3.4 Nursery, Orchid & Cactus Shed · FY 2025-26

Fogging Irrigation System in Orchid Shed.

Funded By: Chattogram University
Implemented By: Chattogram University
Installed By: Drip Irrigation BD Ltd.
Site Location: Hathazari, Chattogram



Pump setup of the Project



Overall scenario of the project



Fogger nozzle setup inside the shed



Water discharge by fogger nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
30000 BDT	05 Decimals	2025-26	29 June 2025 to 29 June 2025	Orchid Shed.

Site Challenge: Labour , Irrigation Spray Scheduling

Engineering Achievement: Installation of Fogging Irrigation system setup for whole Shed.

Major Equipment Deployed: Centrifugal pump, HDPE Pipe, Fittings, Filter & Misting Fogger. | **Site Supervision:** Mobinul Islam Regional Manager, Chattogram Branch.

PROJECT NO. 83 OF 100 · CODE: —

1.3.4 Nursery, Orchid & Cactus Shed · FY 2023-24

Automatic Fogging Irrigation System inside Nursery Poly Shed

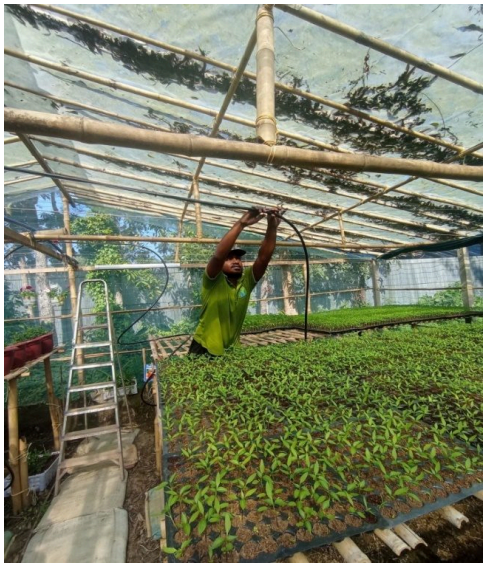
Funded By: Department of Agricultural Extension
Implemented By: Agriculture Office Sitakunda
Installed By: Drip Irrigation BD Ltd
Site Location: Sitakunda, Chattogram



Overall scenario of the project



Overall scenario of the project



Project setup by DIBL Team members



Water discharge by fogger nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	SHED
75,000 BDT	10 decimal	2023-24	30-31 December 2023	Nursery Poly Shed

Site Challenge: Temperature, Humidity & Moisture control inside the Nursery Poly Shed

Engineering Achievement: Possible to minimize 5 degree temperature inside the nursery poly shed with proper irrigation for plant

Major Equipment Deployed: Pump, Wifi Timer, Soil moisture sensor, Filter, HDPE Pipe, Thread pipe, Misting fogger, Fogger tube, connector | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 84 OF 100 · CODE: —

1.3.5 Tea Factory & Industrial Workshop · FY 2023-24

Automatic Fogging Cooling system inside Tea Factory

Funded By: City Group
Implemented By: Kodala Tea Estate
Installed By: Drip Irrigation BD Ltd
Site Location: Kodala, Rangunia, Chattogram



Overall scenario of the project



Pump setup



Project setup by DIBL Team members



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	SHED
43,000 BDT	20 decimal	2023-24	09-11 July 2023	Tea Factory

Site Challenge: Temperature & Humidity control inside the Tea Factory

Engineering Achievement: Possible to maintain 5 degree temperature inside the Tea Factory with fogging system

Major Equipment Deployed: Pump, Timer Filter, HDPE Pipe, Thread pipe, Misting fogger, Fogger tube, connector | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 85 OF 100 · CODE: —

1.3.5 Tea Factory & Industrial Workshop · FY 2021-22

Fogging Cooling System in Workshop

Funded By: SDL Engineering Ltd.
Implemented By: SDL Engineering Ltd.
Installed By: Drip Irrigation BD Ltd.
Site Location: Matarbari, Moheshkhali, Cox's Bazar



Pump setup



Project setup by DIBL Team members



Overall scenario of the project



Water discharge by fogger nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	SHED
65000 BDT	10 decimal	2021-22	14 April 2022 to 18 April 2022	Workshop in Powerplant

Site Challenge: Temperature & Dust

Engineering Achievement: Automatic Fogging spray control both of temperature & dust simultaneously

Major Equipment Deployed: Centrifugal pump, Filter, Misting fogger, Fogging tube and connector | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 86 OF 100 · CODE: —

1.3.6 Hydroponic Grass Misting · FY 2022-23

Fogging Irrigation System in Hydroponic Grass

Funded By: Ahmed Kamal
Implemented By: Ahmed Kamal
Installed By: Drip Irrigation BD Ltd.
Site Location: Munshiganj



Water discharge by fogger nozzle



Overall scenario of the project



Overall scenario of the project



Water discharge by fogger nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	SHED
65000 BDT	10 decimal	2022-23	14 April 2022 to 18 April 2022	Hydroponic Grass shed for bull

Site Challenge: Timely water spray for grass

Engineering Achievement: Automatic Fogging spray solve the problem

Major Equipment Deployed: Centrifugal pump, Filter, Misting fogger, Fogging tube and connector | **Site Supervision:** Engineer Imtiaj Raihan, Sub Assistant Engineer, Dhaka Branch

PROJECT NO. 87 OF 100 · CODE: JSRSS41

1.3.7 Fruit & Dragon Orchard Fogging · FY 2024-25

Installation of Fogging Irrigation System

Funded By: Palli Karma-Sahayak Foundation (PKSF)
Implemented By: Shishu Niloy Foundation (SNF)
Installed By: Drip Irrigation BD Ltd.
Site Location: Borokhanpur, Chaugachha, Jessore.



Project setup by DIBL Team members



Project setup by DIBL Team members



Head Unit



Water discharge by Fogger nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
135,000 BDT	200 Decimal	2024-25	27 Jan 2025 to 1 Feb 2025	Dragon Fruit

Site Challenge: Source of water, Source of Electricity, Labour, Large area

Engineering Achievement: Submersible Pump Installation

Major Equipment Deployed: LDPE Tube, Filter, Venturi with feeder line & Fogger | **Site Supervision:** Assistant Engineer Masud Rana, Jessore Branch

PROJECT NO. 88 OF 100 · CODE: —

1.3.7 Fruit & Dragon Orchard Fogging · FY 2022-23

Fogging Irrigation system.

Funded By: KBD, Mamunur Rahman
Implemented By: KBD,Mamunur Rahman
Installed By: Drip Irrigation BD Ltd.
Site Location: Jhenaidah,Amtala.



Field inspection by farmer



Mainline Irrigation setup from water pump



Overall scenario of the project



Water discharge by Cross Fogger

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
97,000 BDT excluding VAT & TAX	60 Decimal	2022-23	23 March 2024 to 25 March 2024	Dragon garden

Site Challenge: Labour

Engineering Achievement: Drip Irrigation with jet pump

Major Equipment Deployed: Water pump,cross fogger, drip tube, LDPE drip tube irrigation system | **Site Supervision:** Field officer: Md. Masum Billah

SERVICE OVERVIEW 04 OF 06 · DIVISION 2

PORTFOLIO FOLIOS #89 - #90 (2 PROJECTS)

Hydroponics & Soilless Cultivation

Closed-Loop NFT Channels, Dutch Bucket Vine Modules & Recirculating Nutrient Management

Enabling high-density crop production independent of arable soil, DIBL fabricates food-grade uPVC A-frame Nutrient Film Technique (NFT) racks, Dutch bucket substrate stations, and recirculating EC/pH dosing sumps tailored for urban rooftops, research institutes, and commercial greenhouses.



DIBL Engineering Team Commissioning A-Frame NFT Rack



Dutch Bucket Vine Crop Module with Arrow Drip Feed



Substrate Grow-Bag Arrow Dripper Fertigation Line



Recirculating Fish-Plant Media Bed Aquaponics Unit

Standard Engineering Parameters

Architecture	Food-grade UV uPVC NFT channels (75x50 mm) & Bato Dutch buckets
Nutrient Loop	Submersible circulation pumps with digital EC (1.2-2.8 mS/cm) & pH (5.5-6.5) logs
Growing Media	Expanded clay pebbles (LECA), buffered cocopeat, or inert perlite
Water Footprint	Up to 90% water conservation via closed-loop sump recirculation

Subcategories & Sectors Covered Here (2 Projects)

- 2.1 A-Frame Vertical NFT Leafy Greens
- Dutch Bucket Vine Crop Cultivation
- Grow-Bag Cocopeat Dripper Matrices
- Media-Bed & Recirculating Aquaponics

PROJECT NO. 89 OF 100 · CODE: —

2.1 NFT Vertical Hydroponics · FY 2022-23

Vertical NFT Hydroponic System

Funded By: Dhaka University
Implemented By: Tanvir Hussain
Installed By: Drip Irrigation BD Ltd.
Site Location: Dhaka University



Project setup by DIBL Team members



Project setup by DIBL Team members



Overall scenario of the project



Project setup by DIBL Team members

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
40340	0.05 Decimal	2022-23	15/11/2023 to 15/11/2023	Lettuce

Site Challenge: Smal Area, Open Area, Movement Frame

Engineering Achievement: Commissioned with uniform distribution, reduced water/energy use & verified field operation.

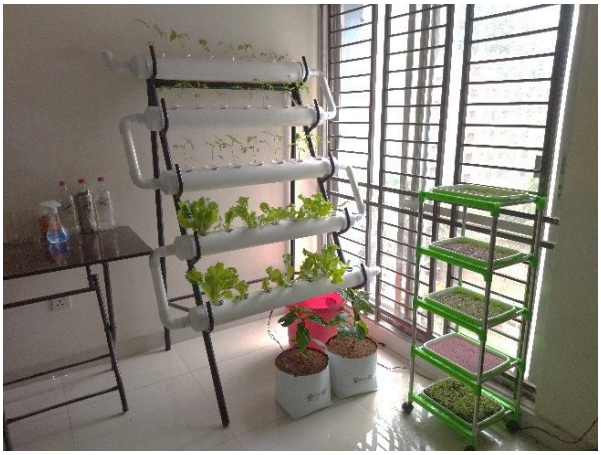
Major Equipment Deployed: Stil Frame, PVC pipe, Flash valve, Adjustable dripper with feeder line & online drip tube | **Site Supervision:** Agriculturist Md. Shamsuzzaman sumon, Assistant Director, Bogura Branch.

PROJECT NO. 90 OF 100 · CODE: —

2.1 NFT Vertical Hydroponics · FY 2022-23

Vertical NFT Hydroponic System

Funded By: DAE Sitakundu
Implemented By: DAE Sitakundu
Installed By: Drip Irrigation BD Ltd.
Site Location: Sitakundu, Chattogram



Vertical NFT Hydroponic System



Vertical NFT Hydroponic System



Vertical NFT Hydroponic System



ABC Hydroponic Solution

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
27000	0.05 Decimal	2022-23	15/11/2023 to 15/11/2023	Lettuce, Tomato

Site Challenge: Smal Area, Open Area, Movement Frame

Engineering Achievement: Commissioned with uniform distribution, reduced water/energy use & verified field operation.

Major Equipment Deployed: Stil Frame, PVC pipe, Cup, Solution | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional manager, Chattogram Branch

SERVICE OVERVIEW 05 OF 06 · DIVISION 3

PORTFOLIO FOLIOS #91 - #93 (3 PROJECTS)

Filtration & Water Treatment Plants

Protecting Precision Emitters & Upgrading Ground/Surface Water via Multi-Stage Filtration

Bangladesh groundwater frequently carries elevated iron, calcium hardness, sand, and organic algae that rapidly clog fine drippers and fogging orifices. DIBL engineers multi-barrier hydrocyclone, screen, stacked-disc, and pressurized FRP catalytic media plants matched to raw water chemistry.



Corrosion-Proof Screen / Stacked Disc Micro-Filter Unit



Compact Inline Filter Assembly with Union & Ball Valve



Multi-Vessel FRP Pressure Media Plant (Iron & Turbidity)



Turnkey Farm Intake Filtration & Manifold Skid Installation

Standard Engineering Parameters

Primary Straining	120-mesh (130 micron) stainless screen & grooved PP stacked disc filters
Media Vessels	FRP pressure vessels (16x65 in - 36x72 in) with multi-port backwash valves
Contaminant Target	Sand/silt turbidity, dissolved Fe (up to >5 mg/L), Mn, algae & hardness
System Sizing	2 m3/h farm manifolds to 25+ m3/h institutional water treatment skids

Subcategories & Sectors Covered Here (3 Projects)

- 3.1 Drip & Fogger Line Screen/Disc Stations
- 3.2 Iron, Arsenic & Turbidity Removal Plants
- Pond & Canal Intake Sand Media Batteries
- Clean Nursery & Dairy Washdown Supply

PROJECT NO. 91 OF 100 · CODE: —

3.1 Irrigation Filtration Project · FY 2023-24

Installation of Irrigation Filtration in Chattogram Region

Funded By: Program on Agricultural and Rural Transformation for Nurtition, Entrepreneurship and Resilience (PARTNER)

Implemented By: BADC, Rangamati Region

Installed By: Drip Irrigation BD Ltd.

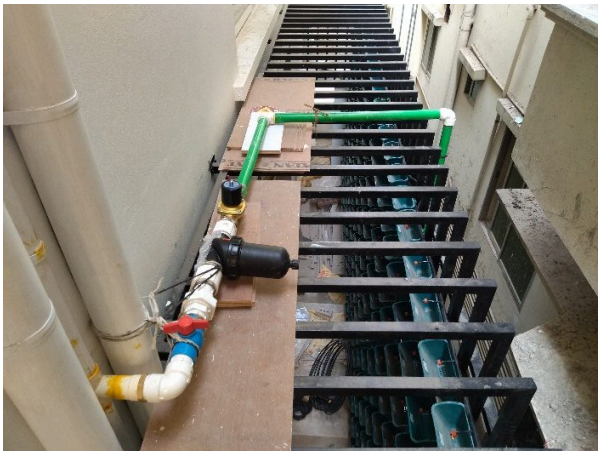
Site Location: Kakrachari, Bangalhalia, Rajsthali, Rangamati



Project setup by DIBL Team members



Overall scenario of the filtration project



Project setup by DIBL Team members



Filtration from reserve tank

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
7,20,000 BDT	1 Acre	2023-24	11 Feb 2024 to 28 March 2024	Guava, Coffee, Cashew nut, Dragon Fruit, Mango, Malta.

Site Challenge: Source of water, Cleanliness of water supply system

Engineering Achievement: Screen and Disc filter solve the challenges

Major Equipment Deployed: DIBL Programmable timer, Filter, Venturi, Pressure gauge, Air release valve, Flash valve, Adjustable dripper with feeder line & online drip tube | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 92 OF 100 · CODE: —

3.2 Iron Filtration Project · FY 2023-24

Installation of Iron Filtration in Chattogram

Funded By: Madrasha authority in Fatikchari
Implemented By: Madrasha authority in Fatikchari
Installed By: Drip Irrigation BD Ltd.
Site Location: Fatikchari, Chattogram



Overall scenario of the project



Overall scenario of the project



Project setup by DIBL Team members



Project setup by DIBL Team members

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	PURPOSE
60,000 BDT	1 decimal	2023-24	05 January 2024 to 06 January 2024	Drinking water

Site Challenge: Source of water, Cleanliness of water supply system

Engineering Achievement: Iron filter solve the challenges

Major Equipment Deployed: Vessel, pipe, backwash valve, pump, reserver etc | **Site Supervision:** Chowdhury Hasan bin Mizan, Assistant Engineer, Dhaka Branch

PROJECT NO. 93 OF 100 · CODE: —

3.2 Iron Filtration Project · FY 2023-24

Installation of Iron Filtration in Bhola

Funded By: Agro Entrepreneur in Charfasion
Implemented By: Agro Entrepreneur in Charfasion
Installed By: Drip Irrigation BD Ltd.
Site Location: Chairfashion, Bhola



Project setup by DIBL Team members



Project setup by DIBL Team members



Overall scenario of the project



Overall scenario of the project

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	PURPOSE
80,000 BDT	1 decimal	2023-24	05 April 2024 to 07 April 2024	Irrigation water

Site Challenge: Source of water, Cleanliness of water supply system

Engineering Achievement: Iron filter solve the challenges

Major Equipment Deployed: Vessel, pipe, backwash valve, pump, reserver etc | **Site Supervision:** Chowdhury Hasan bin Mizan, Assistant Engineer, Dhaka Branch

SERVICE OVERVIEW 06 OF 06 · DIVISIONS 4, 5 & 6

PORTFOLIO FOLIOS #94 - #100 (7 PROJECTS)

Smart IoT, Solar Pumping & Environment Control

Closed-Loop FarmHub Automation, Off-Grid Solar Lifting & UV-Stabilized Polyhouse Microclimates

Bridging precision hydraulics with modern agritech, DIBL deploys its proprietary FarmHub & SensPanel IoT platform alongside DC/AC solar MPPT pump arrays and structural UV poly-net houses so remote hillside, dairy, and research estates operate autonomously with minimal grid dependence.



FarmHub IOT60005 Smart Relay & Sensor Hardware



SensPanel Cloud Portal Live Device Telemetry & Actuation



Off-Grid Solar Panel Array Powering Hilltop Dragon Orchard Drip



Institutional UV Polyshed & Shade-Net House Construction

Standard Engineering Parameters

IoT & Telemetry	FarmHub IOT60005 (4x 220V AC, 4x RJ45 sensors, 12 RTC timers) + SensPanel
Solar Integration	Mono-PERC PV arrays driving DC brushless & VFD-controlled AC bore/surface pumps
Protected Enclosures	Galvanized truss polysheds, 200-micron UV film & 50-mesh insect net walls
Closed-Loop Logic	Automated Soil NPK/Moisture, Temp/RH & photoperiod actuation rules

Subcategories & Sectors Covered Here (7 Projects)

- 4.1 Programmable Cyclic & Timer Automation
- 4.2 Soil-Sensor & Climate Feedback Control
- 5.1 Off-Grid Solar Hill & Field Irrigation
- 6.1 UV Polyshed & Shade-Net Environments

PROJECT NO. 94 OF 100 · CODE: —

4.1 IoT Programmable Automation · FY 2023-24

Automatic Irrigation Control System

Funded By: Heart Group
Implemented By: Mimi Hospital
Installed By: Drip Irrigation BD Ltd.
Site Location: Uttara, Dhaka



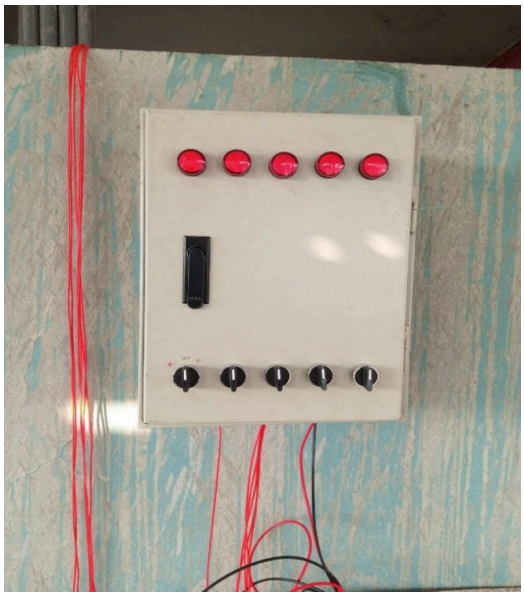
Overall scenario of the project



Project setup by DIBL Team



Field Inspection by Executive Engineer Rangamati



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	PROJECT
12,000 BDT	2.29 decimal	2023-24	17 February, 2024	Rooftop Vertical Garden

Site Challenge: Source of water, Labor cost, Plumbing

Engineering Achievement: Installation of Fogging Cooling system by pump pressure with were solved the problem

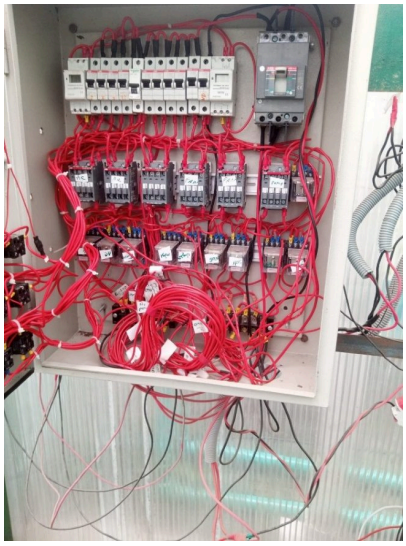
Major Equipment Deployed: Pump, Filter, DB Box, PC Dripper, Timer, Solenoid Valve | **Site Supervision:** Agriculturist Md Shamsuzzaman sumon, Assistant Director, Bogura Branch

PROJECT NO. 95 OF 100 · CODE: —

4.1 IoT Programmable Automation · FY 2023-24

Automatic Green House Weather Controlling System and Rooftop Garden Irrigation system

Funded By: BADC
Implemented By: BADC
Installed By: Drip Irrigation BD Ltd.
Site Location: Dilkusha, Motijhil, Dhaka



Overall scenario of the project



Project setup by DIBL Team



Field Inspection by Executive Engineer Rangamati



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
3,00,000 BDT	20 decimals	2023-24	Running	Mango, Guava, Flower, Fig, Hydroponics on Green House

Site Challenge: Source of water, Labor cost, Plumbing

Engineering Achievement: Installation of Fogging Cooling system by pump pressure with were solved the problem

Major Equipment Deployed: Pump, Filter, DB Box, Adjustable Dripper, Wifi Timer, Solenoid Valve, Hydroponic Full Setup, Temp/ Hum/ pH/ TDS/ EC Sensor, Dehumidifier | **Site Supervision:** Agriculturist Md Shamsuzzaman sumon, Assistant Director, Bogura Branch

PROJECT NO. 96 OF 100 · CODE: —

4.2 IoT Sensor-Based Automation · FY 2023-24

Automatic Fogging Cooling System on Cowshed

Funded By: BRAC
Implemented By: BRAC Bogura
Installed By: Drip Irrigation BD Ltd.
Site Location: BRAC Bottola, Mirzapur, Bogura



Overall scenario of the project



Project setup by DIBL Team



Field Inspection by Executive Engineer Rangamati



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	FARM
355185 BDT	4.8 decimal	2023-24	08 to 15 June, 2024	Cow

Site Challenge: Source of water, Labor cost, Plumbing

Engineering Achievement: Installation of Fogging Cooling system by pump pressure with were solved the problem

Major Equipment Deployed: Pump, Filter, Sensor, DB Box, Misting Fogger, Timer, Solenoid Valve | **Site Supervision:** Agriculturist Md Shamsuzzaman sumon, Assistant Director, Bogura Branch

PROJECT NO. 97 OF 100 · CODE: —

4.2 IoT Sensor-Based Automation · FY 2024-25

Automatic Fogging Cooling System on Cowshed

Funded By: BRAC
Implemented By: BRAC Mymensingh
Installed By: Drip Irrigation BD Ltd.
Site Location: Shombhuganj, Mymensingh



Overall scenario of the project



Project setup by DIBL Team



Field Inspection by Executive Engineer Rangamati



Water discharge by dripper nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	FARM
170300BDT	3 decimal	2024-25	11 to 25 July, 2024	Cow

Site Challenge: Source of water, Labor cost, Plumbing

Engineering Achievement: Installation of Fogging Cooling system by pump pressure with were solved the problem

Major Equipment Deployed: Pump, Filter, Sensor, DB Box, Misting Fogger, Timer, Solenoid Valve | **Site Supervision:** Agriculturist Md Shamsuzzaman sumon, Assistant Director, Bogura Branch

PROJECT NO. 98 OF 100 · CODE: —

5.1 Off-Grid Solar Irrigation System · FY 2023-24

Installation of 06 Nos. Drip Irrigation System by Solar power at any upazila under Rangamati Region.

Funded By: BADC

Implemented By: Executive Engineer (MI), BADC, Rangamati Region

Installed By: Contractor: Sherpa Power Engineering Ltd.; Implementing Partner: Drip Irrigation BD Ltd.

Site Location: Rajnogor, Rupnagar, Gulshakhali, Longodu, Rangamati



Mainline Irrigation Setup from Tank



Overall Scenario of Project Area



Water Discharge from the Adjustable Dripper



Scenario of the main line position

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
45,00,000 BDT (3%)	1 Acre	2023-24	05-08 June 2024	Mango

Site Challenge: Source of water, Labour, Large area, Hill Slope

Engineering Achievement: Automatic Timer based Drip Irrigation with Solar Pump & Header Tank

Major Equipment Deployed: DIBL Programmable timer, Filter, Venturi, Pressure gauge, Air release valve, Flash valve, Adjustable dripper with feeder line & online drip tube | **Site Supervision:** Mobinul Islam, Assistant Engineer, Chattogram Branch

PROJECT NO. 99 OF 100 · CODE: —

5.1 Off-Grid Solar Irrigation System · FY 2022-23

Solar Powered Drip & Sprinkler Irrigation in Hilly Fruit Orchard

Funded By: Nasir Agro Zone
Implemented By: Nasir Agro Zone
Installed By: Drip Irrigation BD Ltd.
Site Location: Manikchari, Khagrachari



Overall scenario of the project



Overall scenario of the project



Water discharge by sprinkler nozzle



Water discharge by sprinkler nozzle

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
850000 BDT	25 acres	2022-23	31 October 2022 to 27 December 2022	Mango, Litchi, Guava, Dragon fruit and Rambutan Fruit Orchard in Hill

Site Challenge: Irrigation maintenance, Labour, Large area, Schedule maintenance

Engineering Achievement: Drip and Sprinkler Irrigation for 25 acres areas were solved the problem

Major Equipment Deployed: Water pump, filter, uPVC pipe, HDPE coil pipe, thread pipe, adjustable dripper, drip tube, connector, big sprinkler | **Site Supervision:** Agriculturist Md. Riaj Uddin, Regional Manager, Chattogram Branch

PROJECT NO. 100 OF 100 · CODE: —

6.1 Polyshed & Protected Cultivation · FY 2023-24

Installation of Poly shed with Shade net

Funded By: BADC
Implemented By: BADC
Installed By: Drip Irrigation BD Ltd.
Site Location: BADC, Gabtoli, Dhaka



Outside Overall scenario of the project



Outside Overall scenario of the project



Inside Overall scenario of the project



Project setup by DIBL Team members

PROJECT VALUE	SITE AREA / SCALE	FISCAL YEAR	TIMELINE	CROPS
5,00,000 BDT	20 decimal	2023-24	11 Feb 2024 to 28 March 2024	Fruits, vegetables and seedlings

Site Challenge: Insect, Sunlight, Wind etc

Engineering Achievement: Environment control system help to mitigate the challenges

Major Equipment Deployed: DIBL Programmable timer, Filter, Venturi, Pressure gauge, Air release valve, Flash valve, Adjustable dripper with feeder line & online drip tube | **Site Supervision:** Engineer Rokon uz Zaman, Dhaka Branch

Drip Irrigation BD Ltd. (DIBL)

Sustainable agriculture through water-saving technology

Call +880 1324-445400

WhatsApp Bindu (24/7): +880 1324-445401

Products & Solutions

- All Products (Shop)
- Ready Drip Packages (Popular)
- Drip Irrigation
- Sprinkler & Rain Gun
- Fogging & Mist System
- Filtration System
- Hydroponics System
- DIBL Solar Irrigation

Smart IoT & Resources

- FarmHub IoT Controller (50% OFF)
- IoT & Automation
- Smart Farming Guide
- SensPanel Cloud Portal
- Hydroponics & BARI Course
- Irrigation & Agri Books
- Irrigation Blog & Guides
- Android Mobile App

Company & Projects

- About DIBL
- Free Engineering Support
- Bindu 24/7 AI Assistant
- Project Photo Gallery
- Project Locations Map
- 1,000+ Smart Farmers List
- Our Team
- Careers at DIBL

Customer Care & Legal

- My Account & Login
- Track My Orders
- Shopping Cart
- Contact & Office Map
- FAQs & Help Center
- Shipping Policy
- Refund & Returns Policy
- Privacy Policy & Terms

Head Office

2C/81, Parijat Apartment, North Adabor, Mohammadpur, Dhaka-1207

+880 1324-445400 · dibldhaka400@gmail.com

info@dripirrigationbd.com · www.dripirrigation.com.bd

Bindu (+880 1324-445401)
24 hour WhatsApp AI assistant · bindu@dripirrigation.com.bd

Support Branches (8 Regions)

Dhaka	+880 1324-445411
Sylhet	+880 1919-751845
Ctg	+880 1324-445395
Barisal	+880 1324-445400
Bogura	+880 1324-445385
Dinajpur	+880 1324-445400
Jashore	+880 1324-445390
Rajshahi	+880 1324-445385

IoT Lab

DIBL IoT Lab, Dhaka
Parijat Apartment (HQ Building), 81 North Adabor, Shyamoli, Dhaka-1207

+880 1919-751843

dibliot843@gmail.com

Hardware R&D, FarmHub Calibration & Cloud Telemetry

ISO 9001:2015 certified
Quality Management System, Certificate No. AMER801444, issued 19 September 2026

Orange Corner Graduate
Read how DIBL is empowering farmers (yy.ventures)

iDEA Portfolio Startup
Company in the ICT Division iDEA Project portfolio (BIG Winner)

FOLLOW DIBL OFFICIAL CHANNELS

Facebook · YouTube · LinkedIn · Instagram · WhatsApp

OFFICIAL ANDROID APP & IOT CLOUD

GET IT ON Google Play (DIBL App)

IOT CLOUD PORTAL: my.senspanel.com

© 2026 Drip Irrigation BD Ltd. (DIBL) · ISO 9001:2015 certified | Orange Corner Graduate | iDEA Portfolio Startup

Contact · Our Team · Shipping · Refunds · Privacy & Terms