



Eco-Social Development Organization (ESDO)
Collegepara (Gobindanagar), Thakurgaon-5100

Open Tendering Method (OTM)
(Tender Document/Schedule)

Description of Works & Goods: Construction, Pipe & Fittings, Solar pump & solar contolar work & goods delivery for GO4IMPact Project under Eco-Social Development Organization (ESDO).

DATE: 26.02.2026

REFERENCE: ESDO/Purchase/126(1)/167/2025-2026

Address: **Collegepara (Gobindanagar), Thakurgaon-5100**

To

Bidder Name:

Address:

Dear Respected Bidder,

The Eco-Social Development Organization (ESDO) is hereby requesting you to submit your bid proposal of Supply of Solar Pump, Solar Controller, and Pipe & Fittings Including Construction Work for ESDO- GO4IMPact project as per **Annex- III** of this Tender Document.

Tender must be submitted on or before **07.03.2026; 02:00 PM** via **courier/post office or directly** to the address below:

Convener, Central Purchase Committee
Eco-Social Development Organization (ESDO)
Collegepara (Gobindanagar), Thakurgaon-5100

Tender should be submitted in sealed envelopes in the above mentioned **“Quotation for Construction, Pipe & Fittings & Fittings, Solar pump & solar contolar work & goods delivery”**

It shall remain your responsibility to ensure that your tender will reach the address above on or before the deadline. Tenders that are received by Eco-Social Development Organization (ESDO) after the deadline indicated above, for whatever reason, shall not be considered for evaluation.

Please take note of the following requirements and conditions pertaining to the supply of the above-mentioned goods:

Exact Address of Delivery Locations	As per Annex-I
Latest Expected Delivery Date and Time	100% should be completed the delivery within 25 April 2026
Packing Requirements	Secured and safe packing as necessary to avoid any damage or defect.
Preferred Currency of Tender	<input checked="" type="checkbox"/> Local Currency: BDT (Taka)
Value Added Tax on Tender Price	<input checked="" type="checkbox"/> Must be inclusive of Tax and other applicable indirect taxes
After-sales services	<input checked="" type="checkbox"/> Replace the sub-standard items within possible short time. Any defect in manufacture will not be accepted.
Deadline for the Submission of Tender	07.03.2026 (Those who will submit the tender are invited to present at the time of tender opening). Opening Time: 2:30PM
Price Tender, Bill/Invoice from Supplier side, shall be in this language	<input checked="" type="checkbox"/> English (Technical Specification and other correspondence from/to Suppliers may be in Bangla).



Documents to be submitted for Eligibility Criteria	Bidders must have legal capacity to enter into Contract. Bidder, in support of its qualification must be submitted following documents i) Valid Trade License, ii) Tax Identification Number (TIN), & Update PSR copy 13 Digit BIN Number, iv) Reputed Company (v) Work Experience of similar Works. N.B: All Prospective bidders must submit above documentation to substantiate the above eligibility criteria. Failure to do so shall result in disqualification.
Period of Validity of Quotes starting the Submission Date	<input checked="" type="checkbox"/> 90 days In exceptional circumstances, Eco-Social Development Organization (ESDO) may request the Vendor to extend the validity of the Tender beyond what has been initially indicated in this Tender Document. The Proposal shall then confirm the extension in writing, without any modification what so ever on the Tender document.
Partial Bid	<input checked="" type="checkbox"/> Not Permitted.
Payment Terms	<input checked="" type="checkbox"/> Payment will be made after satisfactory delivery as per Terms and Conditions.
Performance Security	<input checked="" type="checkbox"/> Selected vendor should deposit 2% of total awarded amount in form of Pay Order. The Performance Security will be returned to the supplier after successfully completion of awarding the PO after one month (28/twenty-eight days).
Liquidated Damages	0.5% per week on the total value of delayed delivery. In case the delay is more than 1 (One) week without having any approval the goods Order/PO might be cancelled.
Evaluation Criteria	<input checked="" type="checkbox"/> Full compliance to eligibility requirements, technical responsiveness, lowest price and goodwill. <input checked="" type="checkbox"/> Full acceptance of the Purchase Order (PO)/ Terms and Conditions of the Contract. <input checked="" type="checkbox"/> Others: Bid Validity.
Procuring Entity will award to:	<input checked="" type="checkbox"/> One Supplier.
Type of Contract to be Signed	<input checked="" type="checkbox"/> Purchase Order (PO) <input checked="" type="checkbox"/> Another Type/s of Contract
Special conditions of Contract	<input checked="" type="checkbox"/> Poor quality/unacceptable delivery and failure to do necessary corrections/replacements as requested by procuring entity will result in cancellation of the PO.
Conditions for Release of Payment	<input checked="" type="checkbox"/> Written acceptance of goods based on full compliance with PO/ Contract requirements after agreed delivery and successful installation at delivery point.
Annexes to this Tender Document	<input checked="" type="checkbox"/> Annex I: Address of delivery Locations <input checked="" type="checkbox"/> Annex II: Price Schedule for Goods and Related Services <input checked="" type="checkbox"/> Annex-III: Description/ Specifications rate sheet of Goods <input checked="" type="checkbox"/> Annex-IV: Terms and Conditions for Supply of Goods and Payment <input checked="" type="checkbox"/> Annex-V: Tender Submission Letter <input checked="" type="checkbox"/> Annex-VI: Contract Agreement
Contact Person for Inquiries (Written inquiries only)	Soyed Mahabubul Alam Manik Member Secretary, Central Procurement Committee, Collegepara (Gobindanagar), Thakurgaon-5100 Email: procurement.ho@esdo.net.bd Cell No: 01719-249968



Instructions to Tenderers:

1. Tender Schedule shall be completed properly, duly signed-dated on each page by the authorized signatory and submitted by the date to the office as stated above.
2. "Corrupt practice" means offering, giving or promising to give, receiving, or soliciting either directly or indirectly, to any officer or employee of a Procuring Entity or other public or private authority or individual, a gratuity in any form; employment or any other thing or service of value as an inducement with respect to an act or decision or method followed by a Procuring Entity in connection with a Procurement proceeding or Contract execution;
3. Offered shall be reviewed based on completeness and compliance of the Bid with the minimum specifications described above and any other annexes providing details of Eco- Social Development Organization (ESDO)'s requirements.
4. From the Start Date until the Defects Correction Certificate has been issued the risks of personal injury, death, and loss of or damage to property including without limitation, the Materials, and Equipment, which are not Procuring Entity's risks are Contractor's risks.
5. The Tender Validity period shall be 90 days.
6. The tender that complies with all of the specifications, requirements and offers the lowest price, as well as all other evaluation criteria indicated, shall be selected. Any offer that does not meet the requirements shall be rejected.
7. The Contractor shall not, except for the purposes of performing the obligations under the Contract, without the written permission of the Procuring Entity disclose or make use of any specification, plan, design and drawing, pattern, sample or information furnished by or on behalf of the Procuring Entity.
8. The Contractor shall provide, in the joint names of the Employer and the Contractor, insurance cover from the Start Date to the end of the Defects Liability Period, in the amounts and deductibles specified in the PCC for the following events which are due to the Contractor's risks:
 - (a) loss of or damage to the Materials;
 - (b) loss of or damage to Equipment;
 - (c) loss of or damage to property (except the Materials, and Equipment) in connection with the Contract; and
 - (d) Personal injury or death.
9. Any discrepancy between the unit price and the total price (obtained by multiplying the unit price and quantity) shall be re-computed by ESDO. The unit price shall prevail and the total price shall be corrected. If the contractor does not accept the final price based on ESDO's re-computation and correction of errors, its Tender will be rejected.
10. ESDO management has every right to accept or cancel the Tender biddings without mentioning any reason.

Thank you and we look forward to receiving your Tender.

Sincerely yours,

Convener,
Central Procurement Committee,
Collegepara (Gobindanagar), Thakurgaon-5100



Annex I:

Address of Delivery Location and Quantity

The Solar Pump, Solar Controller, and Mini Water Pipe & Fittings line Networking Including Construction Work shall be delivered according to the below areas:

SL	Items Name	Address
1.	Solar Pump, Solar Controller, and Mini Piped Water network & Fittings line Networking Including Construction Work	Chowghat Mahisantosh, Union-Alampur, Upazila-Dhamoirhat, Naogaon

Annex II:

Price Schedule for Goods and Related Services

SI	Items to be Supplied	Description/ Specifications	Total Price (BDT)
1	2	3	4
Solar Pump, Solar Controller, and Mini Water Pipe & Fittings line Networking Including Construction Work. As Per Qty of our list:			
1.	Construction:		
2.	Pipe & Fittings and fitting part		
3.	Solar pump and Solar Controller		
Grand Total Including VAT, TAX and Transpiration Cost.			

(In word: only)

Note 1: Price shall include all duties, VAT and other taxes as applicable if Contract is awarded and shall be the delivered price in destination or at point of delivery.

Note 2: The Tender will complete these columns (Col # 4) as appropriate.

Description/Specifications and Rate Sheet of Solar Pump, Solar Controller and Mini Water Pipe & Fittings line Networking Including Construction Work at Chowghat Mahisantosh, Union-Alampur Union, Dhamoirhat Upazila, Naogaon.

A. Construction:

SL	Short Description	Quantity	Unit	Unit Price BDT	Amount
1	Earthwork (Excavation of soil containing bricks, stones, and fragments of stone) local Market	193.217	cum		
2	Earth Filling	196.801	cum		
3	Sand Filling	8.240	cum		



SL	Short Description	Quantity	Unit	Unit Price BDT	Amount
4	One Layer Flat Soling (1st class Brick)	38.744	sqm		
5	10" Wall (1:5) 1st class brick (Seven Ring/ Scan/Premier/Crown/Holcim)	15.907	cum		
6	5" Wall (1:4) 1st class brick (Seven Ring/ Scan/Premier/Crown/Holcim)	23.070	sqm		
7	2.5 ft dia RCC ring Hight 1 ft, thickness 1.5" (10 nos GI wear 2 nos, 1st brick chips, mixing ratio 1:2:4)	57	nos		
8	2.5 ft dia rcc slab with handle thickness 3" (10 mm road 4" c/c, 1st class brick chips, mixing ratio 1:2:4)	19	nos		
9	Brick bats with chips for ring pit (per pit 0.10 cum)	1.900	cum		
10	Shuttering (Asper requirement wood and steel)	81.034	sqm		
11	Mass concrete in foundation (1:2:4) with brick chips and local sand of F.M. 1.2.CC Work (Seven Ring/ Scan/Premier/Crown/Holcim)	2.779	cum		
12	Reinforcement cement concrete works using wooden shutter with minimum cement content relates to mix ratio 1:1.5:3 having minimum fcr=26mpa, and satisfying a specified compressive strength f'c=21mpa at 28 days on cylinders as per standard practice of code ACI/BNBC/ASTM& Cement conforming to BDS EN-197-1- CEM1,52.5N(52.5MPa)/ASTM-C 150 Type -I, best quality Sylhet sand or coarse sand of equivalent F.M 2.2 and 20 mm down well graded Brick chip conforming to ASTM C-33 making, shutter, placing shutter in position and maintaining .making shutter water tight properly, placing reinforcement in position, mixing with standard mixer machine with hooper.(Seven Ring/ Scan/Premier/Crown/Holcim) . RCC works using by mixer machine and vibrator mandatory (Asper requirement of work). All complete approved and accepted by the Engineer.	13.216	cum		
13	Supplying, fabrication and fixing to detail as per design: Ribbed or deformed bar reinforcement for reinforced cement concrete (M.S Fabrication work, Fy=400MPa.) (BSRM/Anowar/GPH/Salam Steel)	2709	kg		
14	Steel works for stair ground to tank stand roof, roof to water tank top and roof boundary (with red oxide and Enamel paint) all complete in all accepted by the Engineer.	420	kg		
15	Plaster work (1:4) (Seven Ring/ Scan/Premier/Crown/Holcim)	90.529	sqm		
16	Net cement finishing with cement plaster (Seven Ring/ Scan/Premier/Crown/Holcim)	134.133	sqm		
17	Weather Coat paint of approved best quality and color delivered from authorized local agent of the manufacturer in a sealed contain, applying to Wall in two coats over time putty of specified brand applied on primer or sealer	90.529	sqm		



SL	Short Description	Quantity	Unit	Unit Price BDT	Amount
	elapsing specified time for drying/recoating including cleaning drying, making free from dirt, grease, wax, removing all chalked and scaled materials ,fungus, mending good the surface defects, sand papering the surface and necessary scaffolding, spreading by brush/roll/spray etc. all complete in all floors accepted by the Engineer.				
18	Health safety materials (Gam butts, Helmet, Caution board, Cation tape, First Aid box and others related materials)	1	Ls		
19	Landscape	1	Ls		
20	Information Board/ Signboard: Board size will be 3'x 5'and 20-gauge MS sheet with 1.5"x1.5"x5mm MS Angle and 1"x5mm MS Flat bar. Total height will be 8' where prob will be 5', ground to be base depth will be 2 ft. 1.5'x1.5'x10" base with minimum reinforcement will be used and Sticker pestling with technical sketch and detail information after completion work and before hand over construction work. All complete in all accepted by the Engineer.	1	no's		
Sub Total:					

In word:

B. Pipe and fitting's part:

SL	Short Description	Quantity	Unit	Unit Price BDT	Amount
1	Complete installation of 4" dia uPVC Boring top pipes, reducer, tube-well pipes, strainer, blind pipe, pipe cap etc fitting and fixing with best quality uPVC solution, iron screws and uPVC tape and placing in position with proper size M.S. centralizer @ 3 meter c/c .in strainer portion including blind pipe etc. 4" dia uPVC pipe class -D (RFL/National/Akiz): at list 120 feet, 4*1.5" R socket, 1.5" dia uPVC pipe class-D: 300 feet(RFL/National/Akiz), 1.5" di stainer Robbo filter (RFL/National/Akiz)40 feet, 4" dia GI pipe thickness 4mm (Falcon/Bashundhara), GI cap (If the suitable layer is above at list 25 feet, the filter will be 1.5"dia, otherwise the full 4" dia boring will be enlarged and filter will also be 4" dia and Minimum 36 to 42 hour continues well development (wash) by submersible pump using electricity or generator : complete as per standard practice and accepted by the Engineer-in- charge.	350	rft		
2	Supplying, fitting and fixing good quality RFL /National 10,000 letter Water Tank (Blue color) it is marked with G4I logo brand ensuring.	1	set		
3	Best quality Flow meter (3" dia)	1	no's		
4	Best quality Flow meter (2" dia)	2	no's		
5	Safety cover size 9" x 2' (22-gauge plain sheet with painting)	1	no's		
6	Safety cover size 8" x 8" (22-gauge plain sheet with painting)	19	no's		



SL	Short Description	Quantity	Unit	Unit Price BDT	Amount
7	Lock 32 no's size Master /HMBR lock or equal	19	no's		
8	Lock 50 no's size Master/HMBR lock or equal	5	no's		
9	Good quality 1.5" tee	22	no's		
10	Good quality 1.5" elbow	20	no's		
11	Good quality 1.5" nipple	40	no's		
12	Good quality 1.5" Union	50	no's		
13	Good quality 1.5" socket	15	no's		
14	Good quality 1.5 x 1 elbow	15	no's		
15	Good quality 1.5"x 1 tee	32	no's		
16	Good quality 1" nipple	45	no's		
17	Good quality 2" elbow	10	no's		
18	Good quality 2" tee	4	no's		
19	Good quality Royel plug	5	no's		
20	Good quality 2" Union	2	no's		
21	Good quality 1 " union	35	no's		
22	Good quality 2" Socket	6	no's		
23	Good quality 1" elbow	65	no's		
24	Good quality 2" nipple	8	no's		
25	Good quality 1" socket	18	no's		
26	Good quality threat tape	90	no's		
27	Good quality bond plug	20	no's		
28	Supplying, fitting and fixing good quality 25mm Thread Pipe	31	meter		
29	Supplying, fitting and fixing good quality 50 mm Thread Pipe	12	meter		
30	Supplying, fitting and fixing good quality 75mm HDPE Pipe	41	meter		
31	Supplying, fitting and fixing good quality 50mm HDPE Pipe	582	meter		
32	Supplying, fitting and fixing good quality 40mm GI Pipe	3	meter		
33	Supplying, fitting and fixing good quality 25mm HDPE Pipe	325	meter		
34	Supplying, fitting and fixing good quality 4" dia uPVC drainage pipe (RFL/National/Akiz) 3.00 mm	30	meter		
35	Supplying, fitting and fixing good quality 4" dia uPVC elbow	19	no's		
36	Supplying, fitting and fixing good quality 4" dia net	19	no's		
37	Supplying, fitting and fixing good quality 1/0.75 GI Socket brush	20	no's		
38	Supplying, fitting and fixing good quality bib cock	20	no's		
39	Solvent cement (500 ML)	5	no's		
40	3" Gate Valve	1	no's		
41	2" Gate Valve	6	no's		
42	1" Gate valve	20	no's		
43	Supplying fitting and fixing standard size others related fixtures and fittings (Union, socket, elbow, tee, thread tap etc.)	19	set		
Sub Total:					

In word:



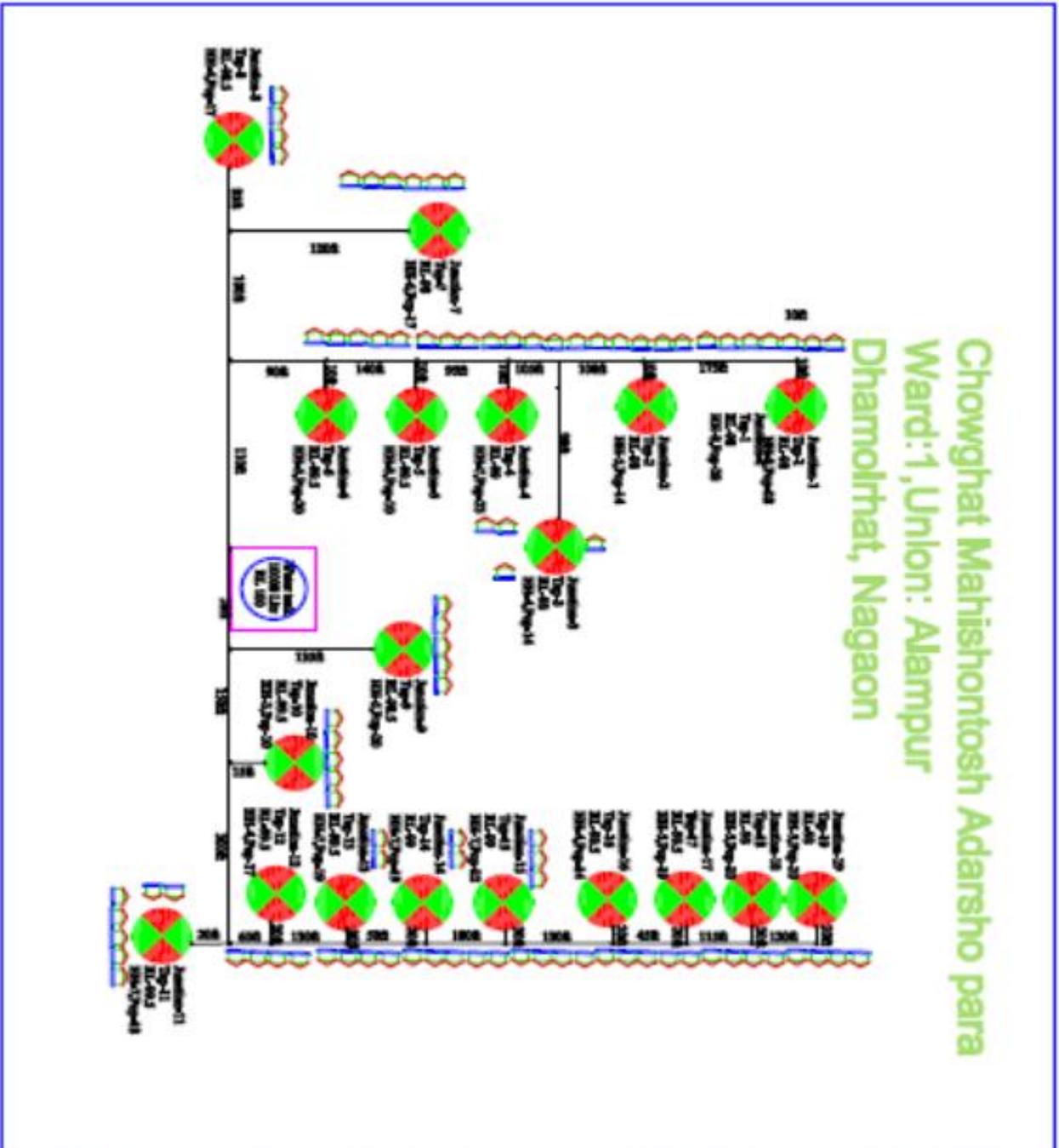
C. Solar pump and Solar Controller:

Sl.	Short Description	Quantity	Unit	Unit Price BDT	Amount
1	Junction Box Brand: OSDA, Model:1P67, Capacity: 400Wp, Mono-crystalline, IP68, 3 diodes, China, Linear Power Output Warranty: 30 Years and Product Warranty: 12 Years.	6	nos		
2	Pump System Brand: Jentech, Model: 4JDSS5.2-101-150-1100-A/D (WV) Power: 1100 W, Voltage: 110-35 Vdc, Maximum Head: 101 m, Max. Flow (m3/h): 5:2 Rated Flow (M3/h): 2.9, Warranty: 2 Years. Solar Controller must be: MPPT.	1	set		
3	Mounting Steel Structure Main Structure for RCC Roof, Size: 2x2 MS Angle with 3.00 mm thickness, pillar at list 8 nos with painting. All complete accepted by the Engineer.	1	set		
4	Pipe with Install From Pump to overhead tank, 1" uPVC thread pipe fitting, 70 feet to minimum distance length to 80 feet with union socket, nipple, elbow etc. fittings.	1	lot		
5	Wiring Cable Solar panel, Motor Cable, float switch cable, water level controller for Motor Auto on/off etc. of reputed brand.	1	set		
6	Accessories: Switch, Socket, Cable, Clip, Cable laying pipe etc.	1	lot		
7	Transportation of all materials to the installation site & Installation for Solar pump setting work.	1	Nos.		
Sub Total:					
In Word:					

SL	Description	TK
1	A. Construction:	
2	B. Pipe fitting part	
3	C. Solar pump and Solar Controller:	
Grand total including VAT, TAX & Transportation cost		
In Word:		

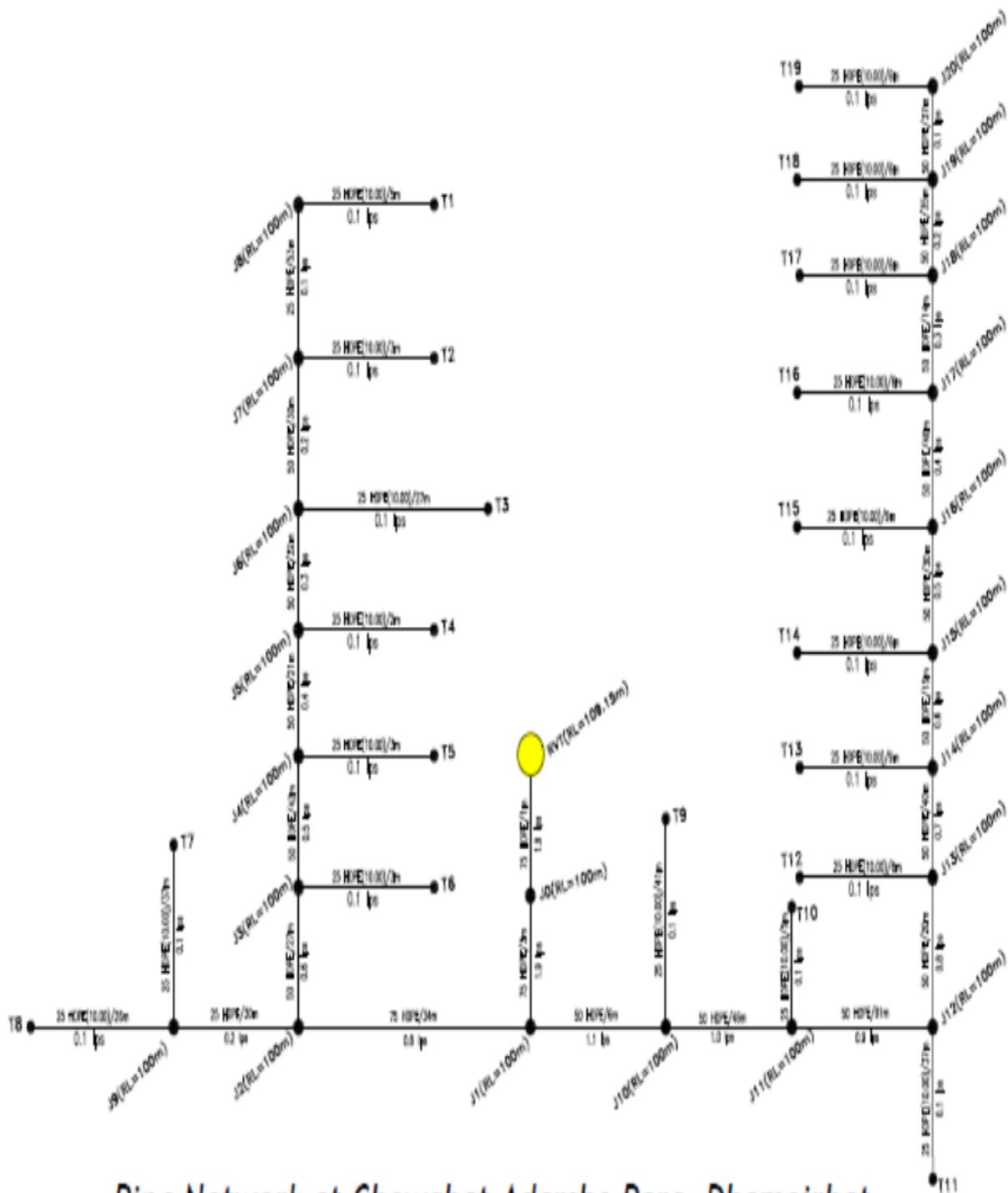


Design/Drawing



 WaterAid ALSO SOCIAL DEVELOPMENT ORGANIZATION	
Project name and address GOADirect Project Dhamolhat - Shergona	
Authorisation type <input type="checkbox"/> for work <input checked="" type="checkbox"/> for installation Drawing no.	
Main Pipe/Water Network	
Prepared by Mr. Saikat Islam Coordinator/Technical Service	
Authorisation by Mr. Pradyumn Baharan Project Manager	
Name of the WaterAid Bangladesh	
ID number of the WaterAid Bangladesh	
No. of the drawing WaterAid Bangladesh	
Date 26.02.26	
Project no. 01/12	





Pipe Network at Chowghat Adarsho Para, Dhamoirhat





FOOTING SCHEDULE

NO	SIZE	REINFORCEMENT	CASTING DEPTH	DEPTH OF FOUNDATION(Df)
F	12'-0" X 12'-0"	16 mm dia @ 6" c/c both way	1'-2"	As per settled soil

COLUMN SCHEDULE

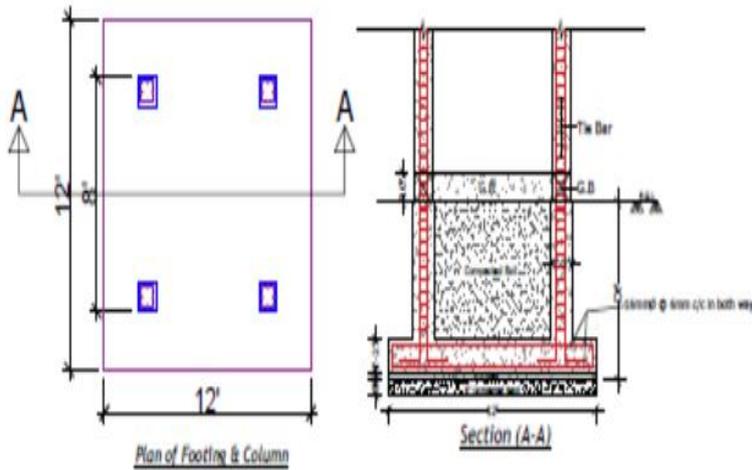
NO	BELOW G.L	ABOVE G.L
C-1		

NOTE:

IN ABSENCE OF SOIL INVESTIGATION REPORT FOUNDATION HAS BEEN DESIGNED BY CONSIDERING BEARING CAPACITY OF SOIL AS 2250 P.S.F. FOUNDATION DESIGN MIGHT NEED RECTIFICATION ON RECEIPT OF SOIL INVESTIGATION REPORT HAVING THE BEARING CAPACITY OF SOIL.

SPECIFICATIONS:

STEEL STRENGTH (fy) = 60,000-70,000 P.S.I.
 CONCRETE STRENGTH (fc) = 2500 P.S.I.
 MIXING RATIO = 1:2:4
 CLEAR COVER OF COLUMN= 1.5 INCH (CONSIDERING COASTAL REGION)



Project name and address

GO4INPact Programme
 Location: Naogaon

Interview type

Innovation New Intervention

Drawing title

Footing & Column Details

Prepared by

Acknowledged by

Reviewed by

Cross checked by

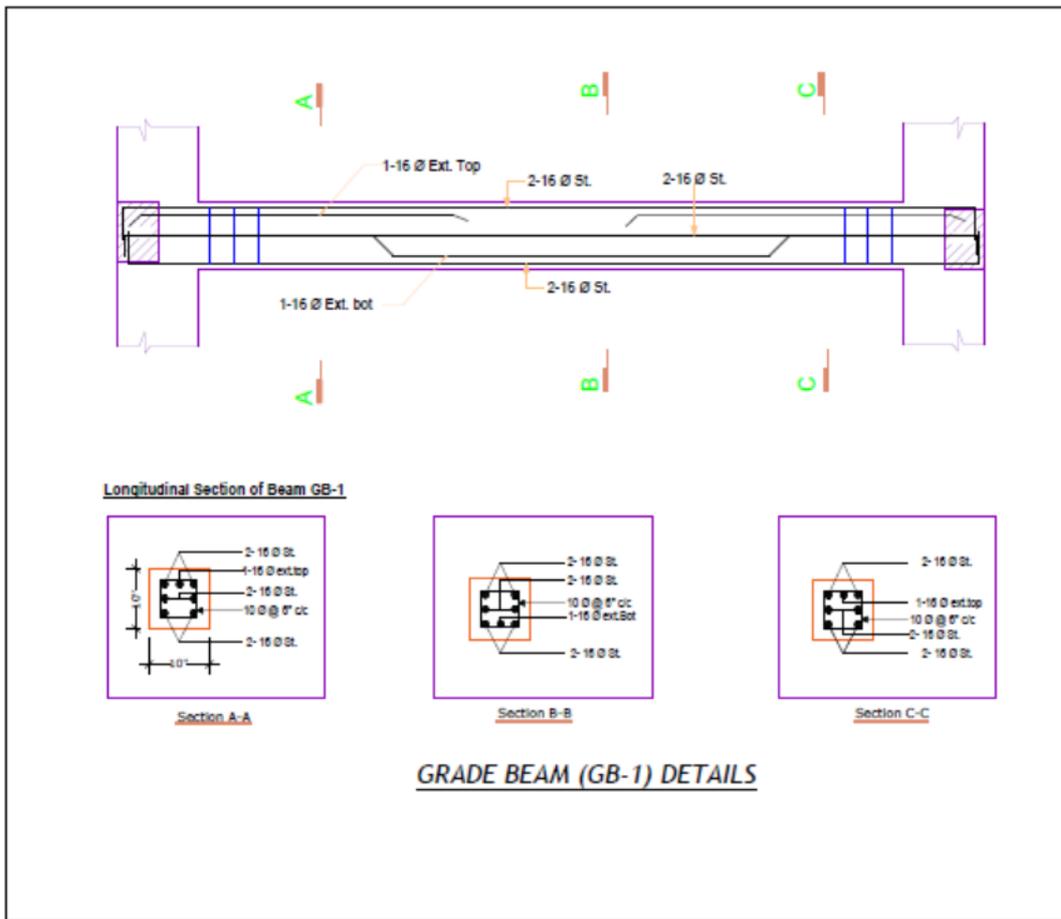
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Approved by

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02/10





WaterAid

Project name and address
GO4DMFAct Programme
Naogaon.

Intervention type
 Restoration Rehabilitation

Drawing title
Grade Beam Details

Prepared by

Acknowledged by

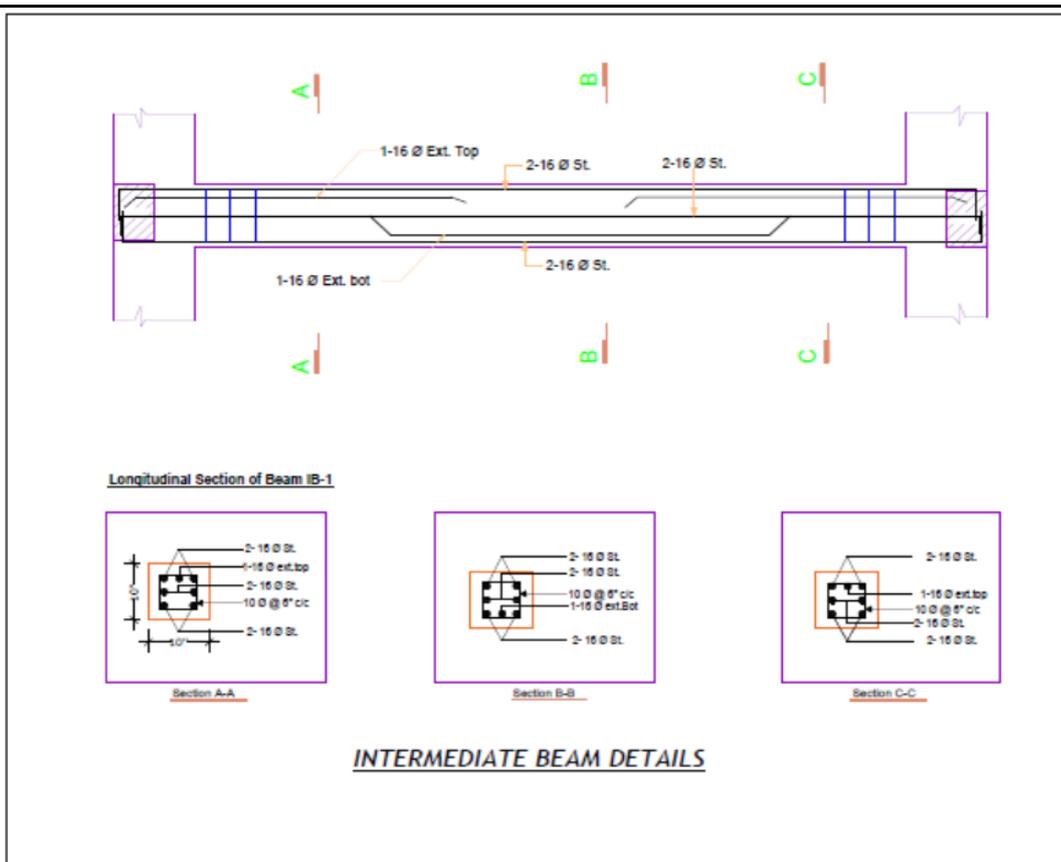
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05/10



WaterAid

Project name and address
GO4DMFAct Programme
Naogaon.

Intervention type
 Restoration Rehabilitation

Drawing title
Intermediate Beam Details

Prepared by

Acknowledged by

Reviewed by

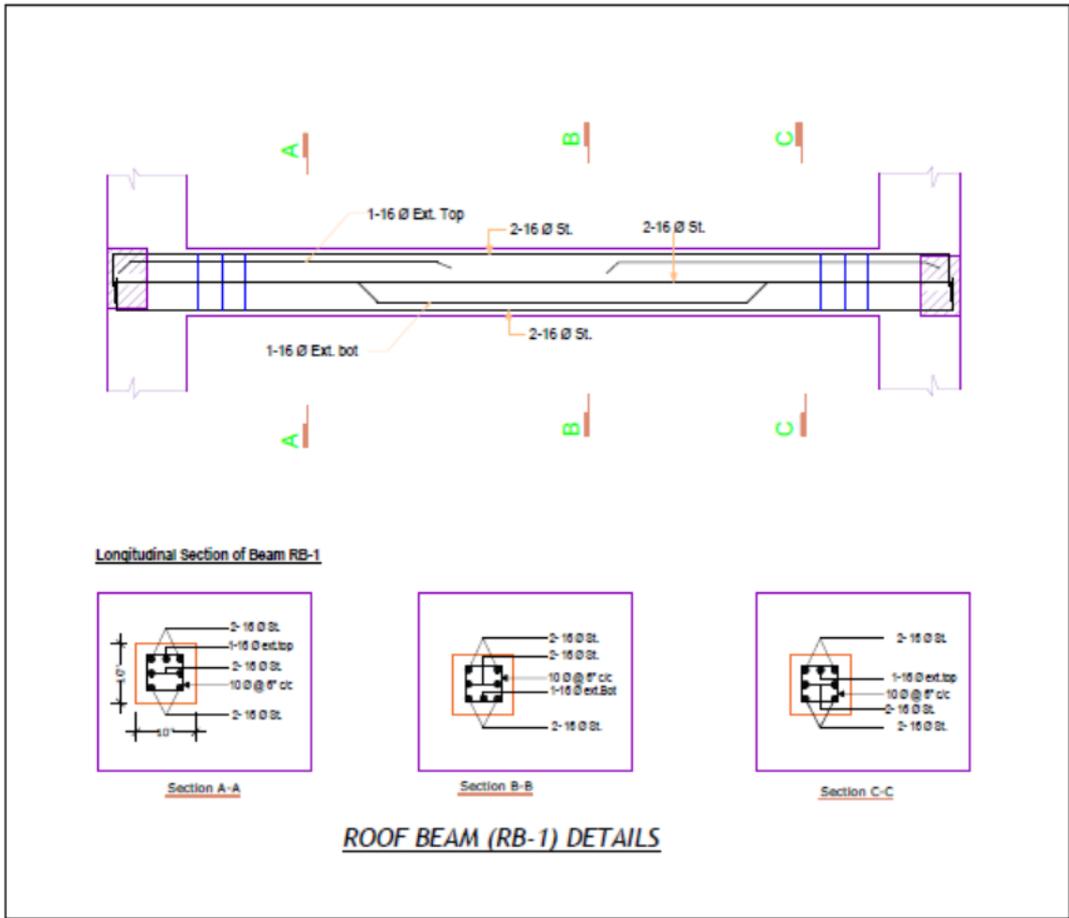
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Project name and address
GO4IMPact Programme
Naogaon

Intervention type
 Rehabilitation New Intervention

Drawing title
Roof Beam Details

Prepared by

Acknowledged by

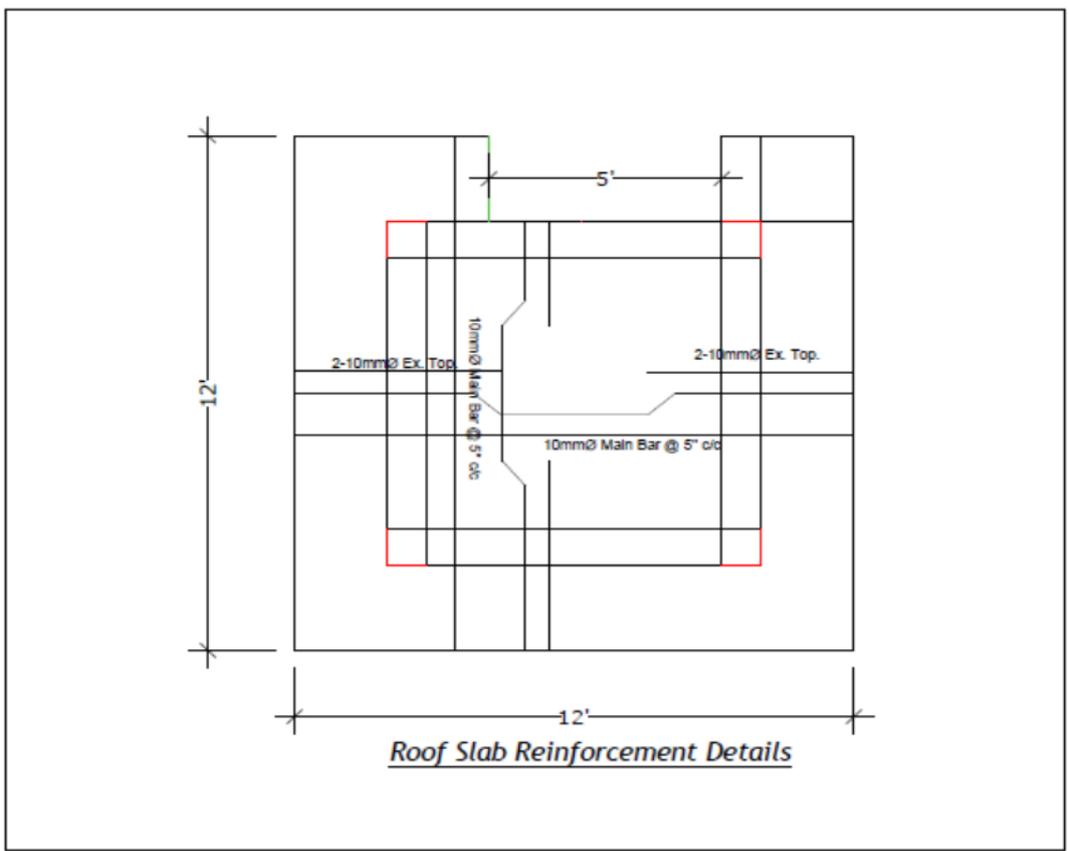
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WaterAid

Project name and address
GO4IMPact Programme
Naogaon

Intervention type
 Rehabilitation New Intervention

Drawing title
Roof Slab Reinforcement Details

Prepared by

Acknowledged by

Reviewed by

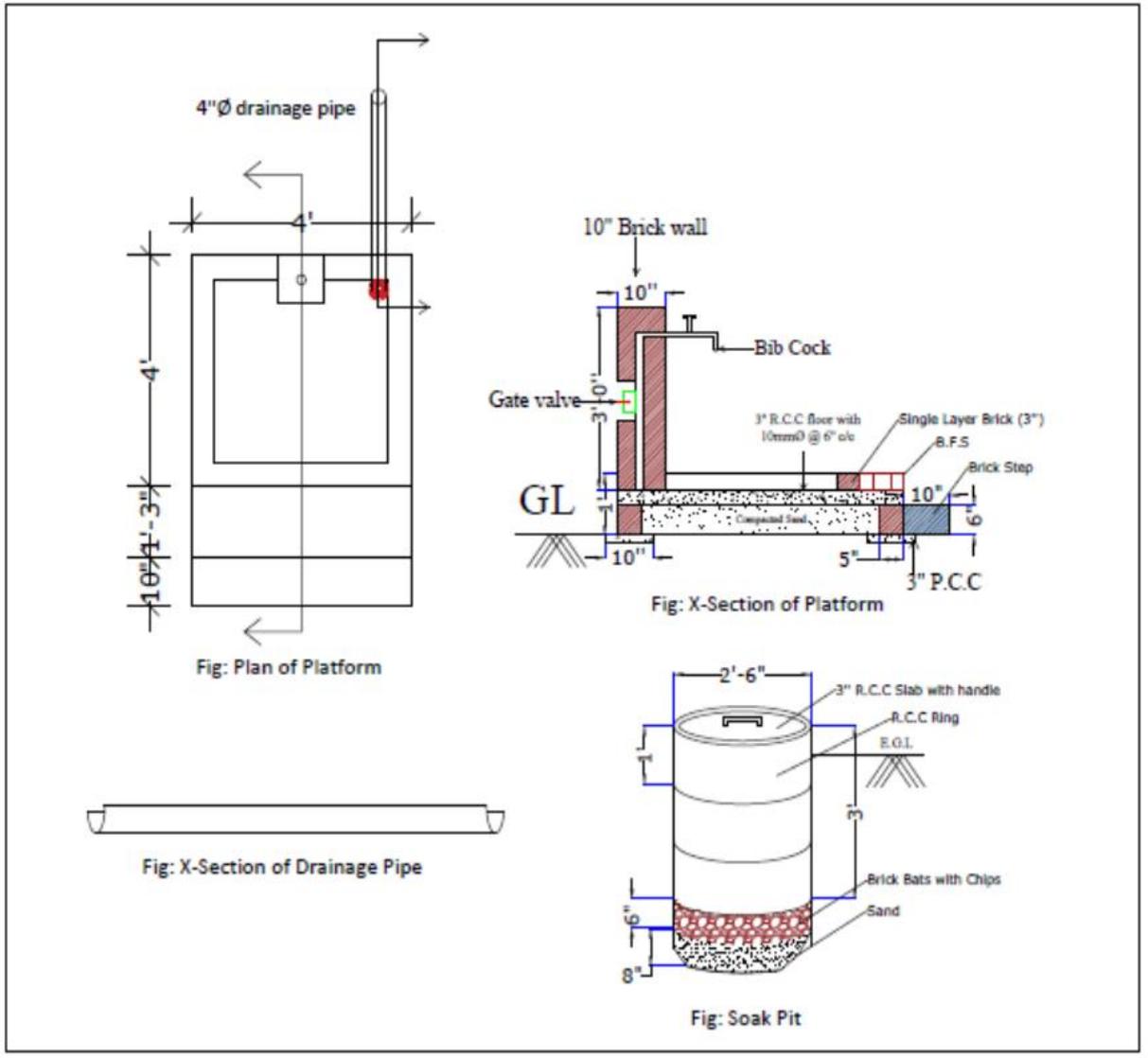
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PIPELINE DESIGN

(HYDRAULIC CALCULATIONS FOR BRANCH NETWORK)

Chowghat Piped Water Supply System

S. No.	Pipe Line		Length		Design Q (lps)	Direction (L/R/U/D)	Reduced Level		PIPE USE O.D. (mm)	Residual Head (m)
	From	To	Actual (m)	Design (m)			From (m)	To (m)		
	[0]	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[13]
<u>Source to RVT</u>										
1	IN	RVT	3	3	0.830	D	100.00	111.25		-11.35
<u>RVT to T1</u>										
2	RVT	J0	1	1	1.900	D	109.15	100.00	75.00	9.14
3	J0	J1	3	3	1.900	D	100.00	100.00	75.00	9.12
6	J1	J2	34	37	0.800	L	100.00	100.00	75.00	9.09
3	J2	J3	27	30	0.600	U	100.00	100.00	50.00	8.96
6	J3	T6	3	3	0.100	R	100.00	100.00	25.00	9.05
<u>J3 to T6</u>										
4	J3	J4	43	47	0.500	U	100.00	100.00	50.00	8.88
6	J4	T5	3	3	0.100	R	100.00	100.00	25.00	8.83
<u>J4 to T4</u>										
7	J4	J5	21	23	0.400	U	100.00	100.00	50.00	8.82
8	J5	T4	2	2	0.100	R	100.00	100.00	25.00	8.79
<u>J5 to T3</u>										
9	J5	J6	32	35	0.300	U	100.00	100.00	50.00	8.77
10	J6	T3	27	30	0.100	R	100.00	100.00	25.00	8.39
<u>J6 to T2</u>										
15	J6	J7	30	34	0.200	U	100.00	100.00	50.00	8.74
16	J7	T2	3	3	0.100	R	100.00	100.00	25.00	8.70
<u>J7 to T1</u>										
11	J7	J8	53	59	0.100	U	100.00	100.00	25.00	8.03
11	J8	J1	3	3	0.100	R	100.00	100.00	25.00	8.35
<u>J2 to T7</u>										
15	J2	J9	30	34	0.200	L	100.00	100.00	25.00	7.57
15	J9	T7	37	40	0.100	U	100.00	100.00	25.00	7.06
<u>J8 to T8</u>										
16	J9	T8	26	29	0.100	L	100.00	100.00	25.00	6.70
<u>J1 to T9</u>										
19	J1	J10	6	7	1.100	L	100.00	100.00	50.00	7.46
20	J10	T9	41	45	0.100	U	100.00	100.00	25.00	6.89
<u>J10 to T10</u>										
19	J10	J11	46	50	1.000	L	100.00	100.00	50.00	6.02
16	J11	T10	5	5	0.100	D	100.00	100.00	25.00	6.83



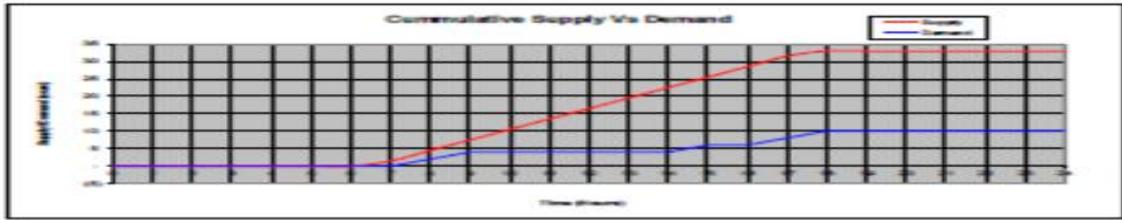
Research Tap Status

Project Name : Phnom Penh Project water supply System
 Development City :
 Average Capacity : 200,000 cum/day
 Average Demand : 160,100 cum/day

Demand Pattern
 (Peak : 100% Domestic)
 1 (Peak) to 2 (Peak) = 2 (Hours) = 4000
 2 (Peak) to 3 (Peak) = 2 (Hours) = 4000
 3 (Peak) to 4 (Peak) = 2 (Hours) = 4000

Heavy Pipe Distribution

From	To	Length	Capacity	Supply	Consumption	Consumption	Consumption	Consumption
Node	Node	km	lit/day	lit/day	lit/day	lit/day	lit/day	lit/day
0	1	0.000%	--	--	--	--	--	--
1	2	0.000%	--	--	--	--	--	--
2	3	0.000%	--	--	--	--	--	--
3	4	0.000%	--	--	--	--	--	--
4	5	0.000%	--	--	--	--	--	--
5	6	0.000%	--	--	--	--	--	--
6	7	0.000%	--	--	--	--	--	--
7	8	200.000%	200000	200000	200000	200000	200000	200000
8	9	200.000%	200000	200000	200000	200000	200000	200000
9	10	0.000%	--	--	--	--	--	--
10	11	0.000%	--	--	--	--	--	--
11	12	0.000%	--	--	--	--	--	--
12	13	0.000%	--	--	--	--	--	--
13	14	0.000%	--	--	--	--	--	--
14	15	200.000%	200000	200000	200000	200000	200000	200000
15	16	0.000%	--	--	--	--	--	--
16	17	200.000%	200000	200000	200000	200000	200000	200000
17	18	200.000%	200000	200000	200000	200000	200000	200000
18	19	0.000%	--	--	--	--	--	--
19	20	0.000%	--	--	--	--	--	--
20	21	0.000%	--	--	--	--	--	--
21	22	0.000%	--	--	--	--	--	--
22	23	0.000%	--	--	--	--	--	--
23	24	0.000%	--	--	--	--	--	--
Total		1000.000%						



Water Demand and Water Point Flow Calculation Sheet

SCHEME NAME : Chowhat Pipd Water Supply System
 LOCATION : Alampar WARD NO : 1 UPADILLA : Chamokhat DISTRICT : Naegon

Required Data:

Peak Factor:	3.2	Survey Year:	2020	Survey Period (n) =	0 Years	Population Growth Rate (r) =	1.0%
Per Capita Demand :	25 lpd	Base Year:	2025	Design Period (n) =	15 Years		
Per Capita Demand for Institution/Schools:	0.5 lpd	Design Year:	2040				

Tap No	Cluster Name or Locality	Domestic Water Demand					Institutional Water Demand			Total Water Demand	Tap Flow Calculation					Remarks
		No. of HH (Nos)	Present Population (P)	Base Population (P ₀)	Design Population (P _d)	Total Domestic Demand (lpd)	No. of Student in School (Nos)	Other Institutional Demand (lpd)	Total Institutional Demand (lpd)		Average Tap Flow (lps)	Peak Factor (Factor)	Peak Flow (lps)	Design flow (lps)	Adjusted Peak factor (lps)	
T1	Tap 1	8	28	28	33	825	-	-	825	0.010	3.20	0.032	0.10	10.00	Single Tap	
T2	Tap 2	5	14	14	16	400	-	-	400	0.005	3.20	0.016	0.10	20.00	Single Tap	
T3	Tap 3	4	14	14	16	400	-	-	400	0.005	3.20	0.016	0.10	20.00	Single Tap	
T4	Tap 4	7	23	23	27	675	-	-	675	0.008	3.20	0.026	0.10	12.50	Single Tap	
T5	Tap 5	3	10	10	12	300	-	-	300	0.003	3.20	0.010	0.10	33.33	Single Tap	
T6	Tap 6	5	20	20	23	575	200	100	675	0.008	3.20	0.026	0.10	12.50	Single Tap	
T7	Tap 7	6	17	17	20	500	-	-	500	0.006	3.20	0.019	0.10	16.67	Single Tap	
T8	Tap 8	4	17	17	20	500	-	-	500	0.006	3.20	0.019	0.10	16.67	Single Tap	
T9	Tap 9	5	20	20	23	575	-	-	575	0.007	3.20	0.022	0.10	14.29	Single Tap	
T10	Tap 10	3	10	10	12	300	-	-	300	0.003	3.20	0.010	0.10	33.33	Single Tap	
T11	Tap 11	7	18	18	21	525	-	-	525	0.006	3.20	0.019	0.10	16.67	Single Tap	
T12	Tap 12	4	17	17	20	500	-	-	500	0.006	3.20	0.019	0.10	16.67	Single Tap	
T13	Tap 13	7	19	19	22	550	-	-	550	0.006	3.20	0.019	0.10	16.67	Single Tap	
T14	Tap 14	7	19	19	22	550	200	100	650	0.008	3.20	0.026	0.10	12.50	Single Tap	
T15	Tap 15	7	22	22	26	650	-	-	650	0.008	3.20	0.026	0.10	12.50	Single Tap	
T16	Tap 16	4	14	14	16	400	-	-	400	0.005	3.20	0.016	0.10	20.00	Single Tap	
T17	Tap 17	5	19	19	22	550	-	-	550	0.006	3.20	0.019	0.10	16.67	Single Tap	
T18	Tap 18	5	20	20	23	575	-	-	575	0.007	3.20	0.022	0.10	14.29	Single Tap	
T19	Tap 19	5	20	20	23	575	-	-	575	0.007	3.20	0.022	0.10	14.29	Single Tap	
TOTAL		101	341	341	397	9,925	400	200	10,125	0.117	3.20	1.98				

NOTE:

- Peak factor of 3.2 has been adopted
- Design Tap Flow has been adjusted for the Peak flow by rounding off to nearest 0.01 lps.
- If flow is less than 0.10 lps then it has been adjusted to 0.10 lps and if flow is greater than 0.25 lps Additional Water Point is proposed



Terms and Conditions for completed of Materials Supply and Payment

1. The Purchase Order will constitute the Contract and Terms and Conditions contained herein as well as in this schedule shall be binding upon both Procuring Entities and the Supplier for the purpose of administration and management of this Contract.
2. Implementation and interpretation of these Terms and Conditions shall, in general, be under the purview of the Eco-Social Development Organization (ESDO)'s Procurement Rules and procedures.
3. The Supplier shall have to complete the materials delivery in all respects within **25 April 2026** with the Terms and Conditions.
4. All materials under the contract shall at all times be open to examination, inspection, measurements, testing, commissioning, and supervision of the Procuring Entity or his/her authorized representative.
5. The procuring entity shall check and verify the delivery made by the Supplier in conformity with the technical specifications and notify the supplier of any defects found.
6. If the goods are found to be defective or otherwise not in accordance with the specifications, the Procuring Entity may reject the supplies by giving due notice to the Supplier, with reasons.
7. **Mode of payment:** Payment will be made through Account Payee cheque/Pay order/RTGS/BEFTN or DD in favour of supplying vendor.
8. As per govt. rules and regulation, vat & tax will be deducted at the time of payment.
9. Payment will be made after submission and acceptance of the Delivery challan along with Invoice.
10. The Performance Security shall be returned to the supplier within twenty-eight (28) days after successfully deliver the materials.
11. Any claim arising out of delivery of Goods and related services shall be settled by the supplier at his/her own cost and responsibility.
12. No modification to Scope of Supply shall be permissible under any circumstances, but the variations (increase or decrease) to the quantities ordered may be changed.
13. The procuring entity may, by written notice sent to the supplier, terminate the contract in whole or in part at any time, if the supplier:
 - a. Fails to deliver goods and related services as per completed schedule and specifications of BoQ.
 - b. In the judgement of the procuring entity, has engaged in any corrupt, fraudulent, collusive or coercive practices in competing for or in delivery of goods and related services.
 - c. Fails to perform any other obligation (s) under the Contract.
15. The Procuring Entity and the Supplier shall use their best efforts to settle amicably all possible disputes arising out of or in connection with this Contract or its interpretation.



<p>For the Purchaser:</p> <p>Signature of the Procuring Entity with name and Designation</p>	<p>For the Supplier:</p> <p>Signature of the Supplier with name Designation</p>
<p>Date:</p>	<p>Date:</p>

Tender Submission Letter

[This letter shall be completed and signed by the Authorized Signatory Preferably on the Letter-Head pad of the Tenderer].

To: Convener Central Purchase Committee Eco Social Development Organization (ESDO) Adabor, Dhaka-1207.	Date:
Invitation for Tender No: -----	

The following prices apply to our Tender:

The Tender Price is:	Taka [state amount in figures] ----- and Taka [in words] ----- --
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In signing this letter, and in submitting our Tender, we also confirm that:

- a) our Tender shall be valid for the period stated in the Tender Document and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- b) We, declare that we are eligible to participate in this Tender and meet the eligibility criteria specified in the Tender Document;
- c) Furthermore, we are aware of the Terms and Conditions of Tender Document and accepting all the conditions in executing the Contract;
- d) We understand that your written Notification of Award shall become a binding Contract between us, until a formal Contract is prepared and executed.



Signature of authorized representative of the Tenderer:	
Full Name:	
In the capacity of (<i>designation of signatory</i>):	
Duly authorized to sign the Tender for and on behalf of the Tenderer	

Note: Written confirmation authorizing the above signatory (ies) to commit the Tenderer (if applicable) is required to attach by the bidder.

Contract Agreement

THIS AGREEMENT made the **day/month/year** between *Eco Social Development Organization (ESDO)* of the one part and [***name and address of Supplier***] (hereinafter called “the Supplier”) of the other part:

WHEREAS the Procuring Entity invited Tenders for certain goods and related services and has accepted a Tender by the supplier for the supply of those goods and related services in the sum of Taka [***Contract Price in figures and in words***] (hereinafter called “the contract price”).

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Terms and Conditions of Contract hereafter referred to.
2. The following documents forming the Contract shall be in the following order of precedence, namely:
 - (a) The signed Form of Contract Agreement.
 - (b) The Purchase Order.
 - (c) The Tender and the annexes to the Tender.
 - (d) Terms and Conditions of Contract.
 - (e) Technical Specifications.
 - (f) Price Schedules and Description / Specifications of Goods and,
 - (g) Other relevant documents, as applicable.
3. In consideration of the payments to be made by the Procuring Entity to the Supplier as herein after mentioned, the Supplier hereby covenants with the Procuring Entity to provide the goods and related services and to remedy any defects therein in conformity in all respects with the provisions of the Contract.
4. The Procuring Entity hereby covenants to pay the Supplier in consideration of the provision of the goods and related services and the remedying of defects therein; the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS where of the parties hereto have caused this Agreement to be executed in accordance with the laws of Bangladesh on the day, month and year first written above.

Particulars	For the Procuring Entity:	For the Supplier:
Signature with date and stamp		
Name		
Title/Designation		
In the presence of /Witness	Name: Signature:	Name: Signature:
Address		



DECLARATION

I, the undersigned, hereby declare that:

1. Neither I nor my company is bankrupt, insolvent, under suspension, or involved in any similar legal proceedings.
2. Neither I nor my company has been convicted of offences related to professional conduct, fraud, corruption, or other illegal activities.
3. We have no record of grave professional misconduct, serious breach of contract, or failure to meet tax or social security obligations.
4. We shall comply with environmental laws of Bangladesh and core labor standards of the ILO (no forced labor, child labor, or discrimination).
5. We guarantee access to financial and registration documents for audit or due diligence checks.

Safeguarding & PSEA Commitment:

We strictly adhere to ESDO's "Zero Tolerance" policy on Sexual Exploitation, Abuse (SEA), and Safeguarding. Neither we nor our employees, staff, or subcontractors shall engage in sexual, physical, or mental harassment. Any incident will be reported immediately to:

 Email: esdo.safeguarding2021@gmail.com

Failure to comply shall constitute grounds for immediate termination of the Agreement.

Signature:

Name: _____

Designation: _____

Company/Agency/Contractor Name: _____

Mobile: _____

