



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: 03.03.2026

REFERENCE: ESDO/Purchase/126(1)/172/2025-2026

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 **11.03.2026; 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 15th May 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	11.03.2026 (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	Paschim Chalkvabini, Union-Khelna, Upazila-Dhamoirhat, Naogaon
2.	Solar Pump, Solar Controller and Mini Piped Water network & Fittings line Networking Including Construction Work	Basudevpur, Union: Niamatpur, Niamatpur, Naogaon
3.	Solar Pump, Solar Controller and Mini Piped Water network & Fittings line Networking Including Construction Work	Dhikapara, Union: Rosulpur, Niamatpur, Naogaon

Annex II:

Price Schedule for Goods and Related Services

Sl .	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. MPWN at Paschim Chalkvabini, Union-Khelna, Upazila-Dhamoirhat, Naogaon.	1.	Construction:	
	2.	Pipe & Fittings and fitting part	
	3.	Solar pump and Solar Controller	
	Subtotal-1		
2. MPWN at Basudevpur, Union: Niamatpur, Niamatpur, Naogaon,	1.	Construction:	
	2.	Pipe & Fittings and fitting part	
	3.	Solar pump and Solar Controller	
	Subtotal-2		
3. MPWN at Dhikapara, Union: Rosulpur, Niamatpur, Naogaon,	1.	Construction:	
	2.	Pipe & Fittings and fitting part	
	3.	Solar pump and Solar Controller	
	Subtotal-3		
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.

1. Description/Specifications and Rate Sheet of Solar Pump, Solar Controller and Mini Water Pipe & Fittings line Networking Including Construction Work at Chalkvabani, Khelna Union, Dhamoirhat Upazila, Naogaon.

A. Construction:

Sl.	Short Description	Quantity	Unit	Unit Price BDT	Amount
1	Earthwork	294.735	cum		
2	Earth Filling	312.821	cum		
3	Sand Filling	10.072	cum		
4	One Layer Flat Soling (1st class Brick)	47.674	sqm		
5	10" Wall (1:5) 1st class brick (Seven Ring/ Scan/Premier/Crown/Holcim)	20.930	cum		
6	5" Wall (1:4) 1st class brick (Seven Ring/ Scan/Premier/Crown/Holcim)	29.767	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)	75.000	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)	25.000	nos		
9	Brick bats with chips for ring pit (per pit 0.10 cum)	2.500	cum		
10	Shuttering (Asper requirement wood and steel)	83.265	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)	3.226	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.	13.896	cum		



Sl.	Short Description	Quantity	Unit	Unit Price BDT	Amount
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)	2780.000	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.	420.000	kg		
15	Plaster work (1:4) (Seven Ring/ Scan/Premier/Crown/Holcim)	96.100	sqm		
16	Net cement finishing with cement plaster (Seven Ring/ Scan/Premier/Crown/Holcim)	165.866	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 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.	96.100	sqm		
18	Health safety materials (Gam butts, Helmet, Caution board, Cation tape, First Aid box and others related materials)	1.000	Ls		
19	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.	300	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)	25	no's		
7	Lock 32 no's size Master /HMBR lock or equal	25	no's		
8	Lock 50 no's size Master/HMBR lock or equal	5	no's		
9	Good quality 1.5" tee	20	no's		
10	Good quality 1.5" elbow	20	no's		
11	Good quality 1.5" nipple	35	no's		
12	Good quality 1.5" Union	40	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	25	no's		
16	Good quality 1" nipple	35	no's		
17	Good quality 2" elbow	10	no's		
18	Good quality 2" tee	5	no's		
19	Good quality Royel plug	5	no's		
20	Good quality 2" Union	2	no's		
21	Good quality 1 " union	25	no's		
22	Good quality 2" Socket	5	no's		
23	Good quality 1" elbow	55	no's		
24	Good quality 2" nipple	10	no's		
25	Good quality 1" socket	25	no's		
26	Good quality threat tape	85	no's		
27	Good quality bond plug	26	no's		
28	Supplying, fitting and fixing good quality 25mm Thread Pipe	41	meter		



SL	Short Description	Quantity	Unit	Unit Price BDT	Amount
29	Supplying, fitting and fixing good quality 50 mm Thread Pipe	12	meter		
30	Supplying, fitting and fixing good quality 75mm HDPE Pipe	369	meter		
31	Supplying, fitting and fixing good quality 50mm HDPE Pipe	596	meter		
32	Supplying, fitting and fixing good quality 40mm GI Pipe	3	meter		
33	Supplying, fitting and fixing good quality 25mm HDPE Pipe	660	meter		
34	Supplying, fitting and fixing good quality 4" dia uPVC drainage pipe (RFL/National/Akiz) 3.00 mm	40	meter		
35	Supplying, fitting and fixing good quality 4" dia uPVC elbow	25	no's		
36	Supplying, fitting and fixing good quality 4" dia SS net	25	no's		
37	Supplying, fitting and fixing good quality 1/0.75 GI Socket brush	26	no's		
38	Supplying, fitting and fixing good quality bib cock	26	no's		
39	Solvent cement (500 ML)	7	no's		
40	1" Gate valve	26	no's		
41	Supplying fitting and fixing standard size others related fixtures and fittings (Union, socket, elbow, tee, thread tap etc.)	25	set		

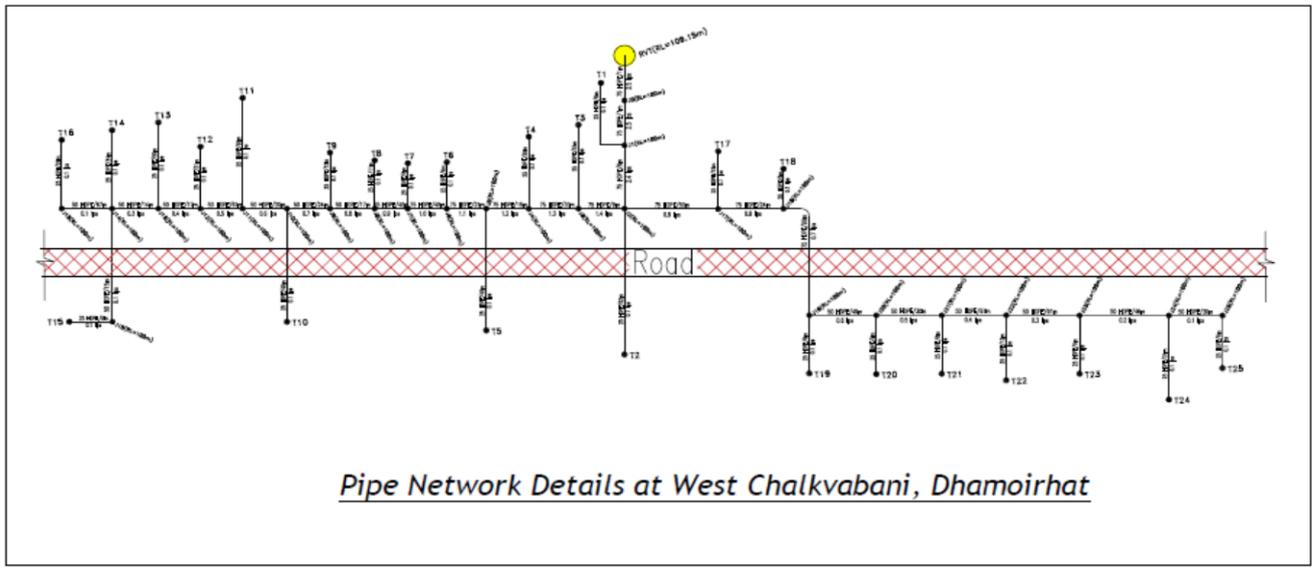


C. Solar pump and Solar Controller:

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	no's		
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:		





Pipe Network Details at West Chalkvabani, 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

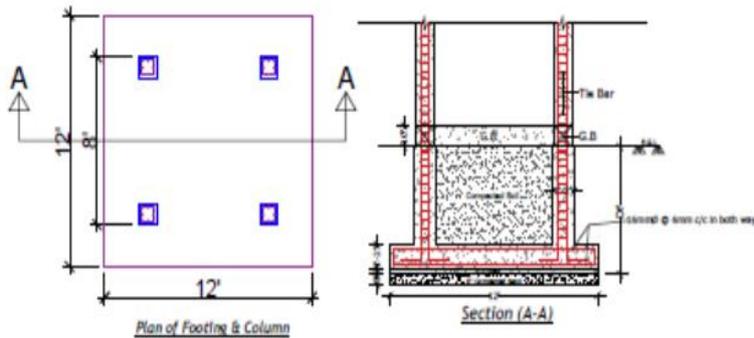
NO	BELOW G.L	ABOVE G.L
C-1	<p>10 mm Ø @ 6" C/C 4-16 mm Ø</p>	<p>10 mm Ø @ 6" C/C 4-20 mm Ø</p>

NOTE:

IN ABSENCE OF SOIL INVESTIGATION REPORT FOUNDATION HAS BEEN DESIGNED BY CONSIDERING BEARING CAPACITY OF SOIL AS 2250 PSF. 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 PSI.
 CONCRETE STRENGTH (fc') = 2500 PSI.
 MIXING RATIO = 1:2:4
 CLEAR COVER OF COLUMN= 1.5 INCH (CONSIDERING COASTAL REGION)





Project name and address
 GO+IMPact Programme
 Location: Naogaon

Intervention type
 Innovation New Intervention

Drawing title
 Footing & Column Details

Prepared by

Reviewed by

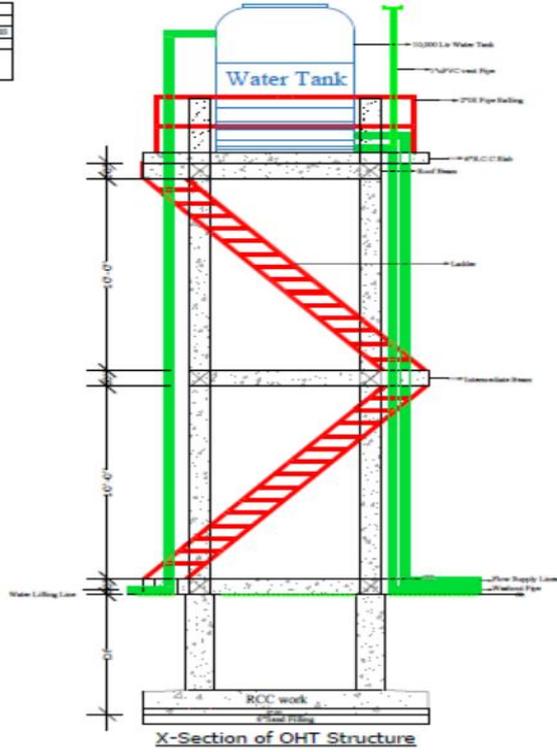
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Approved by

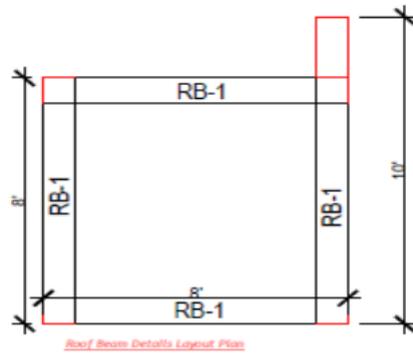
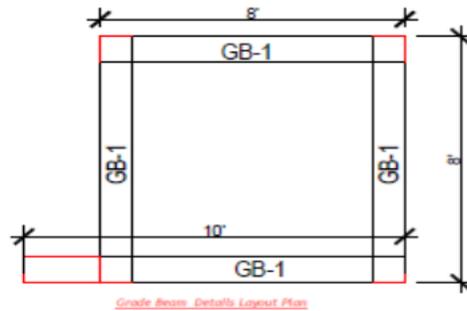
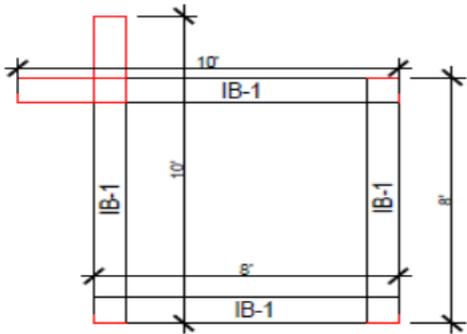
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SCHEDULE OF FOOTING			
NO.	FOOTING	SIZE	THICKNESS
1	F1	12x12"	14"

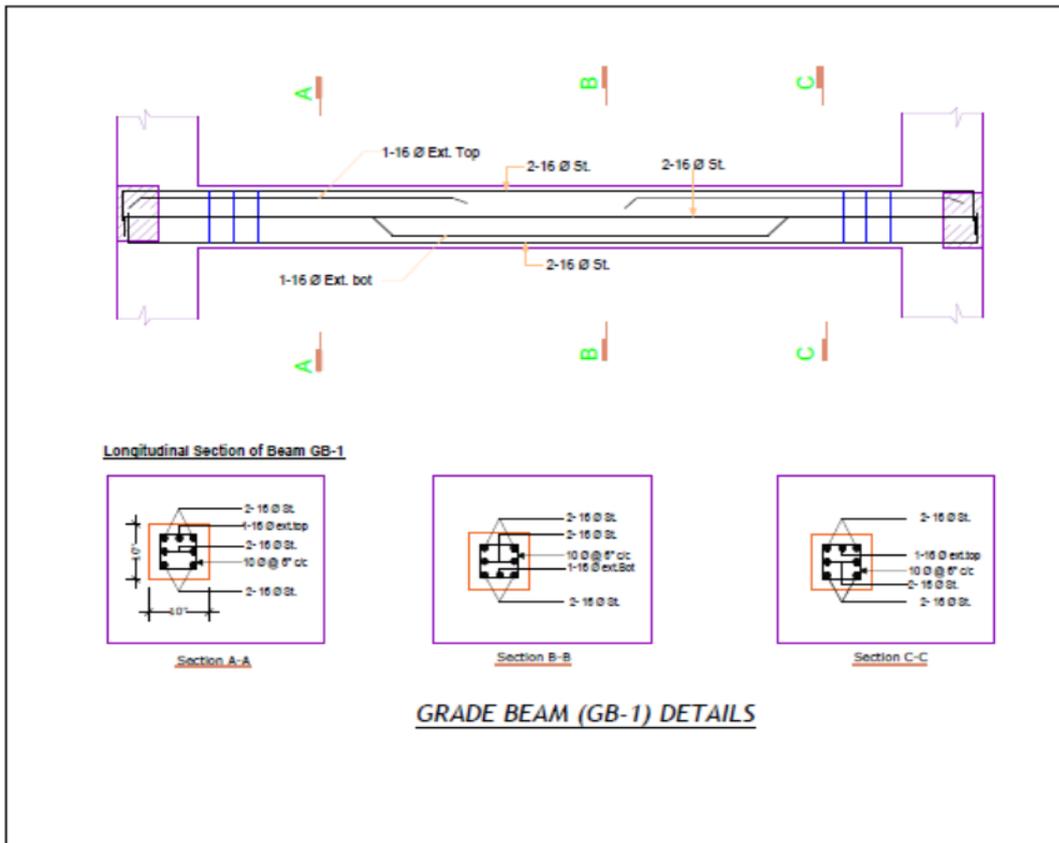


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GO-4IMPact Programme Naagson.	
Intervention type	
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Drawing title	
X-Section of Over Head Tank Structure	
Prepared by	
Acknowledged by	
Reviewed by	
Cross checked by	
Recommended by	
Approved by	
Sheet no	
03/10	



Project name and address	
GO-4IMPact Programme Naagson.	
Intervention type	
<input type="checkbox"/> Renovation	<input checked="" type="checkbox"/> New/Intervention
Drawing title	
Beam Layout	
Prepared by	
Acknowledged by	
Reviewed by	
Cross checked by	
Recommended by	
Approved by	
Sheet no	
04/10	





WaterAid

Project name and address
GO4DMFAct Programme
Naogaon.

Intervention type
 Rehabilitation New Intervention

Drawing title
Grade Beam Details

Prepared by

Acknowledged by

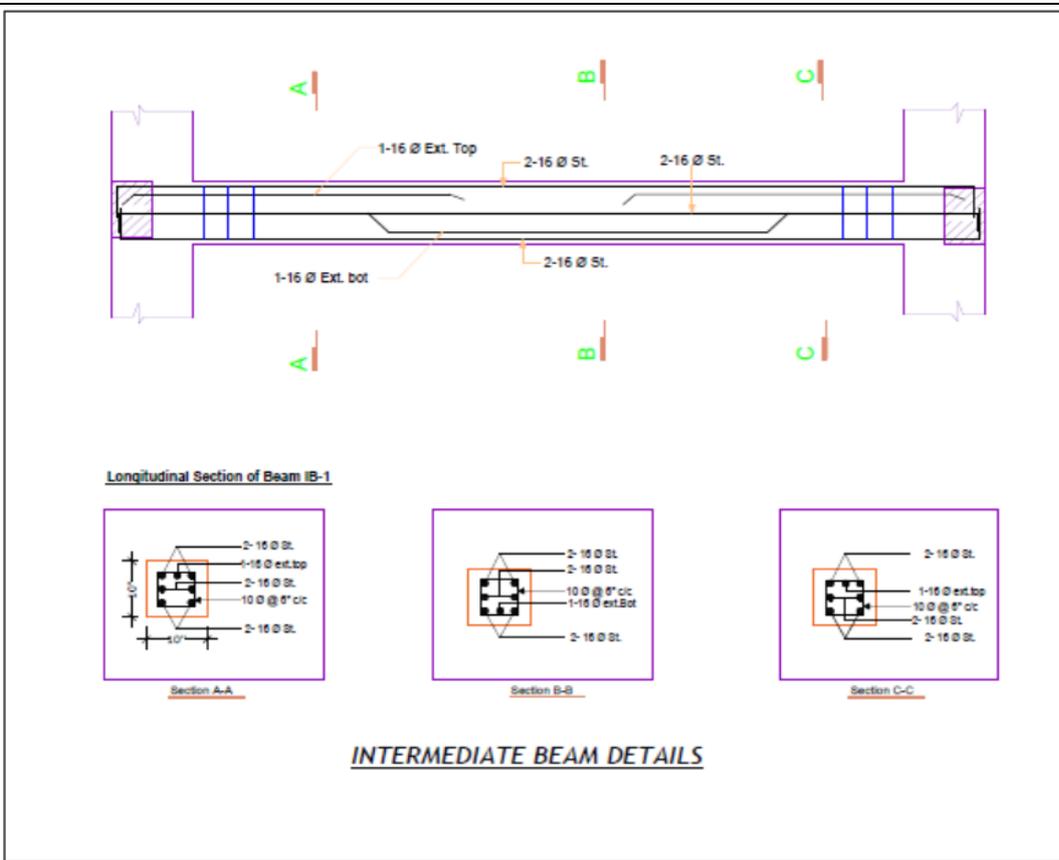
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Cross checked by

Recommended by

Approved by

Sheet no
05/10



WaterAid

Project name and address
GO4DMFAct Programme
Naogaon.

Intervention type
 Rehabilitation New Intervention

Drawing title
Intermediate Beam Details

Prepared by

Acknowledged by

Reviewed by

Cross checked by

Recommended by

Approved by

Sheet no
06/10





Project name and address
GO4IMPact Programme
Naogaon.

Interim type
 Renovation New Interim
Drawing title

Roof Beam Details

Prepared by

Reviewed by

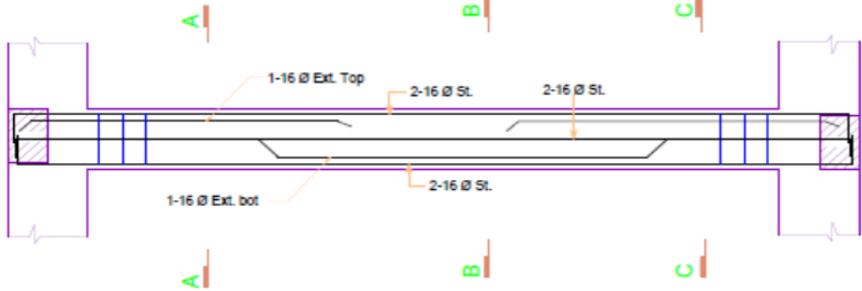
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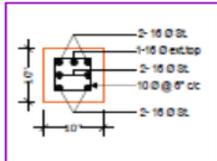
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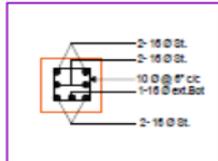
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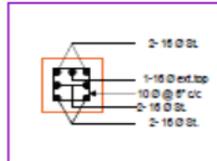
Longitudinal Section of Beam RB-1



Section A-A



Section B-B



Section C-C

ROOF BEAM (RB-1) DETAILS



Project name and address
GO4IMPact Programme
Naogaon.

Interim type
 Renovation New Interim
Drawing title

Roof Slab Reinforcement Details

Prepared by

Reviewed by

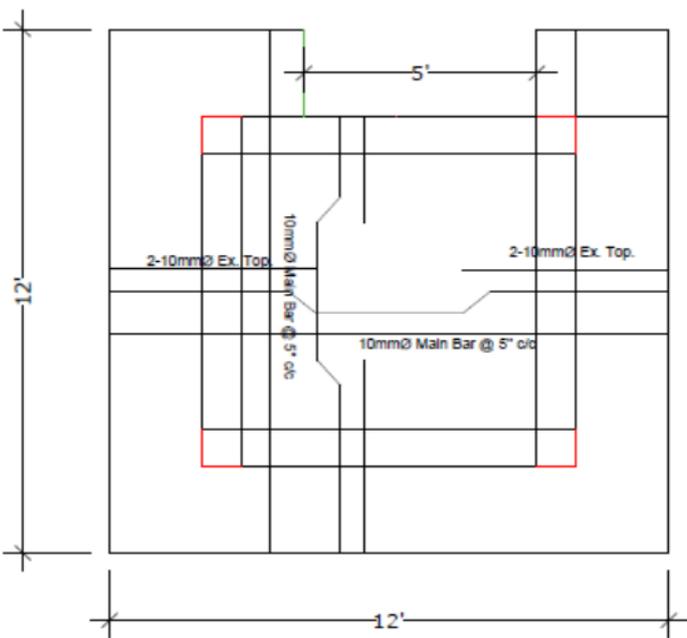
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Recommended by

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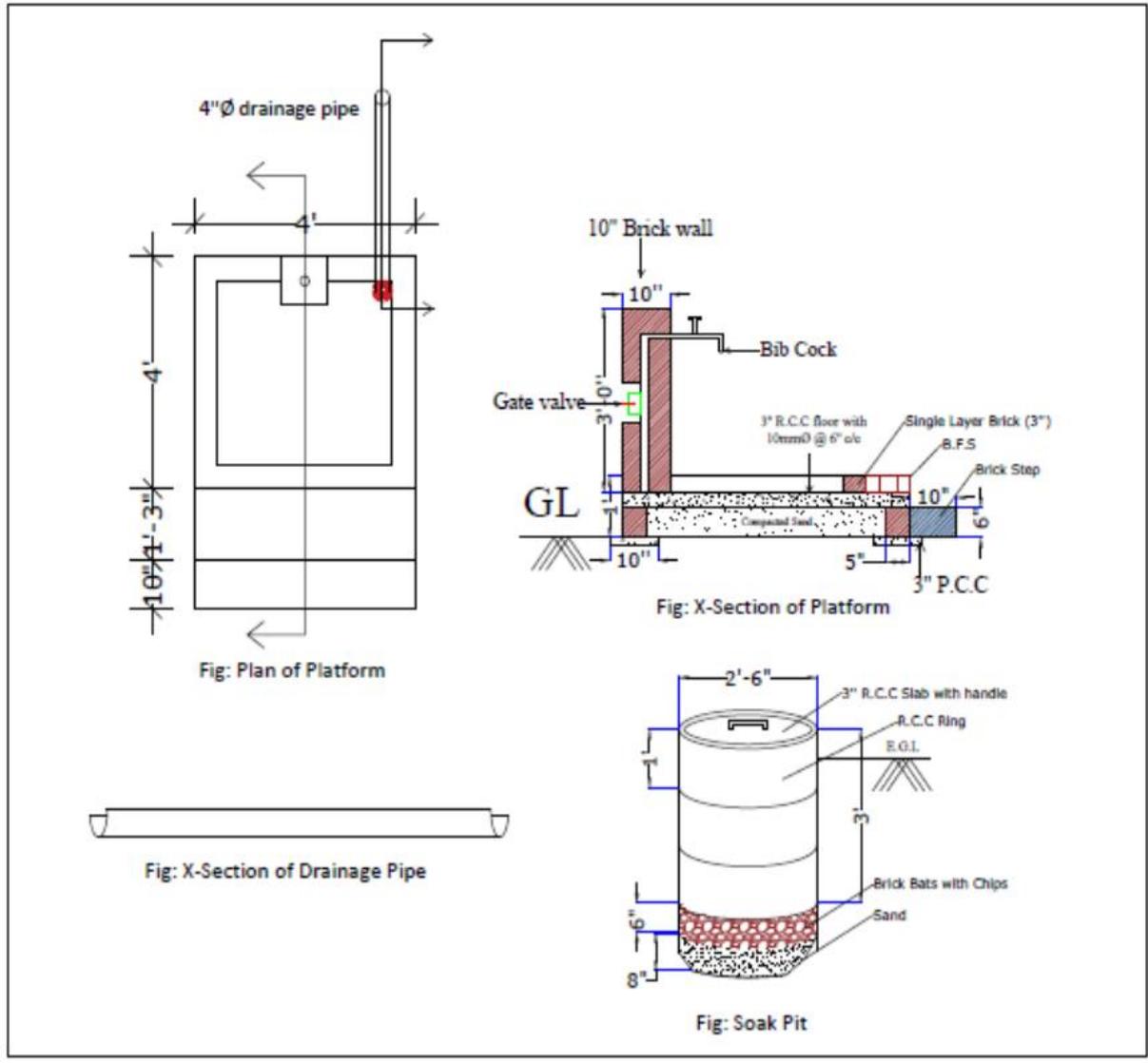
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Roof Slab Reinforcement Details





Reservoir Tank Sizing

Project Name: Karmal Ashrafpur Piped water supply System

Designed By:

Average Supply: 33.00 cum/Day
Average Demand: 13.00 cum/Day

0.63 M
0.71 M

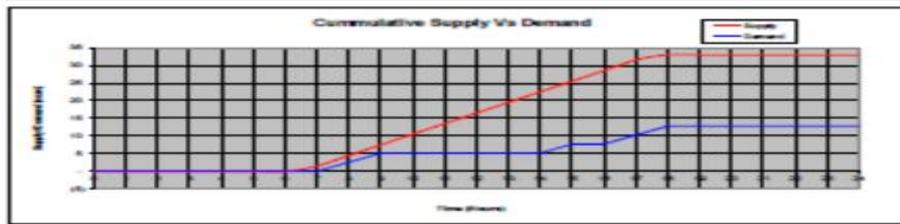
Demand Pattern

0% (Nightly Requirement)
7 AM to 9 AM - 2 Hours - 50%
3 PM to 5 PM - 1 Hour - 20%
4 PM to 6 PM - 2 Hours - 40%

Hourly Flow Distribution

Hour	Flow	Demand	Committed Demand	Supply	Committed Supply	Committed Demand	Committed Supply
1	1	0.00%	--	--	--	--	--
2	2	0.00%	--	--	--	--	--
3	3	0.00%	--	--	--	--	--
4	4	0.00%	--	--	--	--	--
5	5	0.00%	--	--	--	--	--
6	6	0.00%	--	--	--	--	--
7	7	0.00%	--	1.00	1.00	1.00	1.00
8	8	20.00%	2.00	2.00	2.00	2.00	2.00
9	9	20.00%	2.00	3.12	3.00	3.00	3.00
10	10	0.00%	--	3.12	3.00	3.00	3.00
11	11	0.00%	--	3.12	3.00	3.00	3.00
12	12	0.00%	--	3.12	3.00	3.00	3.00
13	13	0.00%	--	3.12	3.00	3.00	3.00
14	14	0.00%	--	3.12	3.00	3.00	3.00
15	15	20.00%	2.00	2.00	2.00	2.00	2.00
16	16	0.00%	--	2.00	2.00	2.00	2.00
17	17	20.00%	2.00	3.00	3.00	3.00	3.00
18	18	20.00%	2.00	3.00	3.00	3.00	3.00
19	19	0.00%	--	3.00	3.00	3.00	3.00
20	20	0.00%	--	3.00	3.00	3.00	3.00
21	21	0.00%	--	3.00	3.00	3.00	3.00
22	22	0.00%	--	3.00	3.00	3.00	3.00
23	23	0.00%	--	3.00	3.00	3.00	3.00
24	24	0.00%	--	3.00	3.00	3.00	3.00
Total		100.00%					

Reservoir Size: 27.00 cum
Adopted Reservoir Size: 10.00 cum
% of Domestic Demand: 18.18%



Water Demand and Water Point Flow Calculation Sheet

SCHEME NAME: Paschim Chalkvabani Piped Water Supply System

LOCATION: Khelna

WARD NO: 1

UPAZILLA: Dhamoirhat

DISTRICT: Naogaon

Required Data:

Peak Factor:

3.2

Survey Year: 2020

Per Capita Demand:

25 lpcd

Base Year: 2025

Survey Period (n1): 0 Years

Population Growth Rate (r) = 1.0%

Per Capita Demand for Institution/Schools:

0.5 lpcd

Design Year: 2040

Design Period (n2): 15 Years

Tap No	Cluster Name or Locality	Domestic Water Demand					Institutional Water Demand			Total Water Demand	Tap Flow Calculation					Remarks
		Nos	Present Pop (P)	Base Pop (Po)	Design Pop (Pn)	Total Demand (Pd)	No. of School	Other Institutional Demand	Total Institutional Demand (Pd)		Average Tap Flow (lps)	Peak Factor	Peak Flow (lps)	Design flow (lps)	Adjusted Peak factor	
T1	Tap 1	6	23	23	27	675	-	-	675	0.008	3.20	0.026	0.10	12.50	Single Tap	
T2	Tap 2	4	10	10	12	300	-	-	300	0.003	3.20	0.010	0.10	33.33	Single Tap	
T3	Tap 3	8	22	22	26	650	-	-	650	0.008	3.20	0.026	0.10	12.50	Single Tap	
T4	Tap 4	5	20	20	23	575	-	-	575	0.007	3.20	0.022	0.10	14.29	Single Tap	
T5	Tap 5	5	16	16	19	475	-	-	475	0.005	3.20	0.016	0.10	20.00	Single Tap	
T6	Tap 6	7	20	20	23	575	200	100	675	0.008	3.20	0.026	0.10	12.50	Single Tap	
T7	Tap 7	4	12	12	14	350	-	-	350	0.004	3.20	0.013	0.10	25.00	Single Tap	
T8	Tap 8	3	14	14	16	400	-	-	400	0.005	3.20	0.016	0.10	20.00	Single Tap	
T9	Tap 9	4	16	16	19	475	-	-	475	0.005	3.20	0.016	0.10	20.00	Single Tap	
T10	Tap 10	5	22	22	26	650	-	-	650	0.008	3.20	0.026	0.10	12.50	Single Tap	
T11	Tap 11	5	19	19	22	550	-	-	550	0.006	3.20	0.019	0.10	16.67	Single Tap	
T12	Tap 12	4	20	20	23	575	-	-	575	0.007	3.20	0.022	0.10	14.29	Single Tap	
T13	Tap 13	4	15	15	17	425	-	-	425	0.005	3.20	0.016	0.10	20.00	Single Tap	
T14	Tap 14	4	20	20	23	575	-	-	575	0.007	3.20	0.022	0.10	14.29	Single Tap	
T15	Tap 15	-	-	-	-	-	200	100	300	0.001	-	-	-	-	Single Tap	
T16	Tap 16	6	24	24	28	700	-	-	700	0.008	3.20	0.026	0.10	12.50	Single Tap	
T17	Tap 17	4	14	14	16	400	-	-	400	0.005	3.20	0.016	0.10	20.00	Single Tap	
T18	Tap 18	4	21	21	24	600	-	-	600	0.007	3.20	0.022	0.10	14.29	Single Tap	
T19	Tap 19	4	15	15	17	425	-	-	425	0.005	3.20	0.016	0.10	20.00	Single Tap	
T20	Tap 20	4	15	15	17	425	-	-	425	0.005	3.20	0.016	0.10	20.00	Single Tap	
T21	Tap 21	9	33	33	38	950	-	-	950	0.011	3.20	0.035	0.10	9.09	Single Tap	
T22	Tap 22	7	27	27	31	775	200	100	875	0.010	3.20	0.032	0.10	10.00	Single Tap	
T23	Tap 23	-	-	-	-	-	-	-	-	-	-	-	-	-	Single Tap	
T24	Tap 24	4	19	19	22	550	-	-	550	0.006	3.20	0.019	0.10	16.67	Single Tap	
T25	Tap 25	4	15	15	17	425	-	-	425	0.005	3.20	0.016	0.10	20.00	Single Tap	
TOTAL		114	432	432	500	12,500	600	-	300	12,800	0.148	3.20	0.230			

NOTE: 1 Peak factor of 3.2 has been adopted
2 Design Tap Flow has been adjusted for the Peak flow by rounding off to nearest 0.01 lps.
3 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



2. Description/Specifications and Rate Sheet of Solar Pump, Solar Controller and Mini Water Pipe & Fittings line Networking Including Construction Work at Basudevpur, Union: Niamatpur, Niamatpur Upazila, Naogaon.

A. Construction:

SL	Short Description	Quantity	Unit	Unit Price BDT	Amount
1	Earthwork	161.987	cum		
2	Earth Filling	170.261	cum		
3	Sand Filling	4.881	cum		
4	One Layer Flat Soling (1st class Brick)	22.372	sqm		
5	10" Wall (1:5) 1st class brick (Seven Ring/ Scan/Premier/Crown/Holcim)	6.698	cum		
6	5" Wall (1:4) 1st class brick (Seven Ring/ Scan/Premier/Crown/Holcim)	10.791	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)	24.000	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)	8.000	nos		
9	Brick bats with chips for ring pit (per pit 0.10 cum)	0.800	cum		
10	Shuttering (Asper requirement wood and steel)	76.945	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)	1.960	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.	11.969	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)	2579.000	kg		



SL	Short Description	Quantity	Unit	Unit Price BDT	Amount
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.	420.000	kg		
15	Plaster work (1:4) (Seven Ring/ Scan/Premier/Crown/Holcim)	80.317	sqm		
16	Net cement finishing with cement plaster (Seven Ring/ Scan/Premier/Crown/Holcim)	75.955	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 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.	80.317	sqm		
18	Health safety materials (Gam butts, Helmet, Caution board, Cation tape, First Aid box and others related materials)	1.000	Ls		
19	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	350	Rft.		



SL	Short Description	Quantity	Unit	Unit Price BDT	Amount
	standard practice and accepted by the Engineer-in-charge.				
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 (2" dia)	<u>1</u>	no's		
4	Safety cover size 9" x 2' (22-gauge plain sheet with painting)	1	no's		
5	Safety cover size 8" x 8" (22-gauge plain sheet with painting)	8	no's		
6	Lock 32 no's size Master /HMBR lock or equal	8	no's		
7	Lock 50 no's size Master/HMBR lock or equal	5	no's		
8	Good quality 2 x 1 elbo	6	no's		
9	Good quality 2"x 1 tee	10	no's		
10	Good quality 1" nipple	10	no's		
11	Good quality 2" elbo	4	no's		
12	Good quality 2" tee	8	no's		
13	Good quality Royel Plug	5	Pac		
14	Good quality 2" Union	12	no's		
15	Good quality 1" Union	16	no's		
16	Good quality 2" Socket	4	no's		
17	Good quality 1" elbow	20	no's		
18	Good quality 2" nipple	8	no's		
19	Good quality 1" Socket	18	no's		
20	Good quality threat tape	30	no's		
21	Good quality bond plug	10	no's		
22	Supplying, fitting and fixing good quality 25mm Thread Pipe	25	meter		
23	Supplying, fitting and fixing good quality 50 mm Thread Pipe	15	meter		
24	Supplying, fitting and fixing good quality 50mm HDPE Pipe	538	meter		
25	Supplying, fitting and fixing good quality 25mm HDPE Pipe	202	meter		
26	Supplying, fitting and fixing good quality 4" dia uPVC drainage pipe (RFL/National/Akiz) 3.00 mm	10	meter		
27	Supplying, fitting and fixing good quality 4" dia uPVC elbow	8	no's		
28	Supplying, fitting and fixing good quality 4" dia SS net	8	no's		
29	Supplying, fitting and fixing good quality 1/0.75 GI Socket brush	8	no's		
30	Supplying, fitting and fixing good quality bib cock	8	no's		
31	Solvent cement (500 ML)	2	no's		
32	2" Gate valve	2	no's		
33	1" Gate valve	8	no's		
34	Supplying fitting and fixing standard size others related fixtures and fittings (Union, socket, elbow, tee, thread tap etc.)	8	set		



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	no's		
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:		



PIPELINE DESIGN

(HYDRAULIC CALCULATIONS FOR BRANCH NETWORK)

Basudevpur Piped Water Supply System

S. No.	Pipe Line			Design Dis. Q (lps)	Direction (L/R/U/D)	PIPE USED	
	From	To	Design (m)			To (m)	O.D. (mm)
	(1)	(2)	(4)	(5)	(8)	(13)	
Source to RVT							
1	IN	RVT	3	0.200	D	109.10	
RVT to T1							
2	RVT	J0	0	1.300	U	100.00	110.00
3	J0	J1	2	1.300	U	100.00	110.00
3	J1	J2	50	0.700	U	100.00	50.00
6	J2	T1	5	0.100	U	100.00	25.00
J2 to T2							
4	J2	J3	45	0.400	L	100.00	50.00
6	J3	T2	101	0.100	U	100.00	25.00
J2 to T3							
4	J3	J4	45	0.500	L	100.00	50.00
6	J4	T3	6	0.100	D	100.00	25.00
J4 to T4							
15	J4	J5	59	0.200	L	100.00	50.00
16	J5	T4	101	0.100	D	100.00	50.00
J5 to T5							
15	J5	J6	59	0.100	L	100.00	50.00
3	J6	T5	6	0.100	L	100.00	25.00
J2 to T8							
15	J2	J7	67	0.200	R	100.00	50.00
15	J7	T6	101	0.100	U	100.00	25.00
J7 to T7							
16	J7	J8	67	0.100	R	100.00	50.00
16	J8	T7	5	0.100	R	100.00	25.00
J1 to T8							
16	J1	T8	101	0.100	L	100.00	50.00
J1 to T9							
15	J1	P1	134	0.500	R	100.00	75.00
15	P1	P2	537	0.500	D	100.00	75.00
15	P2	J9	235	0.500	R	100.00	75.00
15	J9	T9	6	0.100	D	100.00	25.00
J9 to T10							
16	J9	J10	42	0.400	R	100.00	50.00



Reservoir Tank Status

Project Name: Niyamatpur Bore Chakra Piped water supply System
 Designed By: _____
 Average Supply: 13.26 cum/day 0.22 l/s
 Average Demand: 14.25 cum/day 0.18 l/s

Demand Pattern:
 7 AM to 9 AM - 2 hours - 80%
 2 PM to 3 PM - 1 hour - 20%
 4 PM to 6 PM - 2 hours - 80%

Hourly Flow Estimation

Hour	Flow (l/s)	Demand (%)	Demand (Cum)	Supply (Cum)	Residual (Cum)	Residual (l/s)	Residual (Cum)	Residual (l/s)
0	0	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
1	0	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
2	0	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
3	0	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
4	0	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
5	0	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
6	0	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
7	1.80	20.00%	2.85	2.85	0.00	0.00	0.00	0.00
8	1.80	20.00%	2.85	5.70	3.00	2.50	1.80	0.00
9	1.80	20.00%	2.85	8.55	3.00	15.30	4.80	0.00
10	1.80	20.00%	2.85	11.40	3.00	18.15	7.65	0.00
11	1.80	20.00%	2.85	14.25	3.00	21.00	10.50	0.00
12	1.80	20.00%	2.85	17.10	3.00	23.85	13.35	0.00
13	1.80	20.00%	2.85	19.95	3.00	26.70	16.20	0.00
14	1.80	20.00%	2.85	22.80	3.00	29.55	19.05	0.00
15	1.80	20.00%	2.85	25.65	3.00	32.40	21.90	0.00
16	1.80	20.00%	2.85	28.50	3.00	35.25	24.75	0.00
17	1.80	20.00%	2.85	31.35	3.00	38.10	27.60	0.00
18	1.80	20.00%	2.85	34.20	3.00	40.95	30.45	0.00
19	1.80	20.00%	2.85	37.05	3.00	43.80	33.30	0.00
20	1.80	20.00%	2.85	39.90	3.00	46.65	36.15	0.00
21	1.80	20.00%	2.85	42.75	3.00	49.50	39.00	0.00
22	1.80	20.00%	2.85	45.60	3.00	52.35	41.85	0.00
23	1.80	20.00%	2.85	48.45	3.00	55.20	44.70	0.00
24	1.80	20.00%	2.85	51.30	3.00	58.05	47.55	0.00
Total		100.00%				Max Surplus Deficit	28.18	



Water Demand and Water Point Flow Calculation Sheet

SCHEME NAME : Basudevpur Piped Water Supply System
 LOCATION : Niyamatpur WARD NO : 3 UPAZILLA : Niyamatpur DISTRICT : Naogaon

Required Data:

Peak Factor: 3.2 Survey Year: 2025
 Per Capita Demand: 25 lpcd Base Year: 2025
 Per Capita Demand for Institutions/shops: 1 lpcd Design Year: 2039
 Survey Period (n) = 0 Years Population Growth Rate [r] = 1.0%
 Design Period (n) = 15 Years

Tap No	Description of Tap	Domestic Water Demand				Institutional Water Demand			Total Water Demand (lpcd)	Tap Flow Calculation					Remarks	
		Nos of HH	Present Population (P)	Base Population (Po)	Design Population (Pn)	No. of Student in School	Other Institutional Demand	Total Institutional Demand		Average Tap Flow (lps)	Peak Factor	Peak Flow (lps)	Design flow (lps)	Adjusted Peak factor		
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]
T1	Tap 1	10	38	38	44	1,100	-	-	1,100	0.013	3.20	0.042	0.10	7.69	Single Tap	
T2	Tap 2	9	40	40	46	1,150	-	-	1,150	0.013	3.20	0.042	0.10	7.69	Single Tap	
T3	Tap 3	8	45	45	52	1,300	-	-	1,300	0.015	3.20	0.048	0.10	6.67	Single Tap	
T4	Tap 4	9	44	44	51	1,275	-	-	1,275	0.015	3.20	0.048	0.10	6.67	Single Tap	
T5	Tap 5	8	41	41	48	1,200	-	-	1,200	0.014	3.20	0.045	0.10	7.14	Single Tap	
T6	Tap 6	9	47	47	55	1,375	-	-	1,375	0.016	3.20	0.051	0.10	6.25	Single Tap	
T7	Tap 7	9	46	46	53	1,325	-	-	1,325	0.015	3.20	0.048	0.10	6.67	Single Tap	
T8	Tap 8	9	47	47	55	1,375	-	-	1,375	0.016	3.20	0.051	0.10	6.25	Single Tap	
T9	Tap 9	6	26	26	30	750	-	-	750	0.009	3.20	0.029	0.10	11.11	Single Tap	
T10	Tap 10	6	26	26	30	750	-	-	750	0.009	3.20	0.029	0.10	11.11	Single Tap	
T11	Tap 11	6	26	26	30	750	-	-	750	0.009	3.20	0.029	0.10	11.11	Single Tap	
T12	Tap 12	7	40	40	46	1,150	-	-	1,150	0.013	3.20	0.042	0.10	7.69	Single Tap	
T13	Tap 13	6	26	26	30	750	-	-	750	0.009	3.20	0.029	0.10	11.11	Single Tap	
TOTAL		102	492	492	570	14,250	-	-	14,250	0	3.20		1.30			

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



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

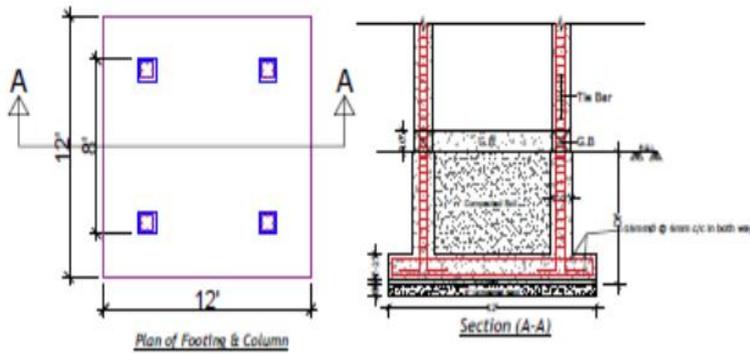
NO	BELOW G.L	ABOVE G.L
C-1		

NOTE:

IN ABSENCE OF SOIL INVESTIGATION REPORT FOUNDATION HAS BEEN DESIGNED BY CONSIDERING BEARING CAPACITY OF SOIL AS 2250 Psf. 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 PSI.
 CONCRETE STRENGTH (fc) = 2500 PSI.
 MIXING RATIO = 1:2:4
 CLEAR COVER OF COLUMN= 1.5 INCH (CONSIDERING COASTAL REGION)





Project name and address
 GO4IMPact Programme
 Location: Naogson

Intervention type
 Innovation Intervention

Drawing title
 Footing & Column Details

Prepared by

Acknowledged by

Reviewed by

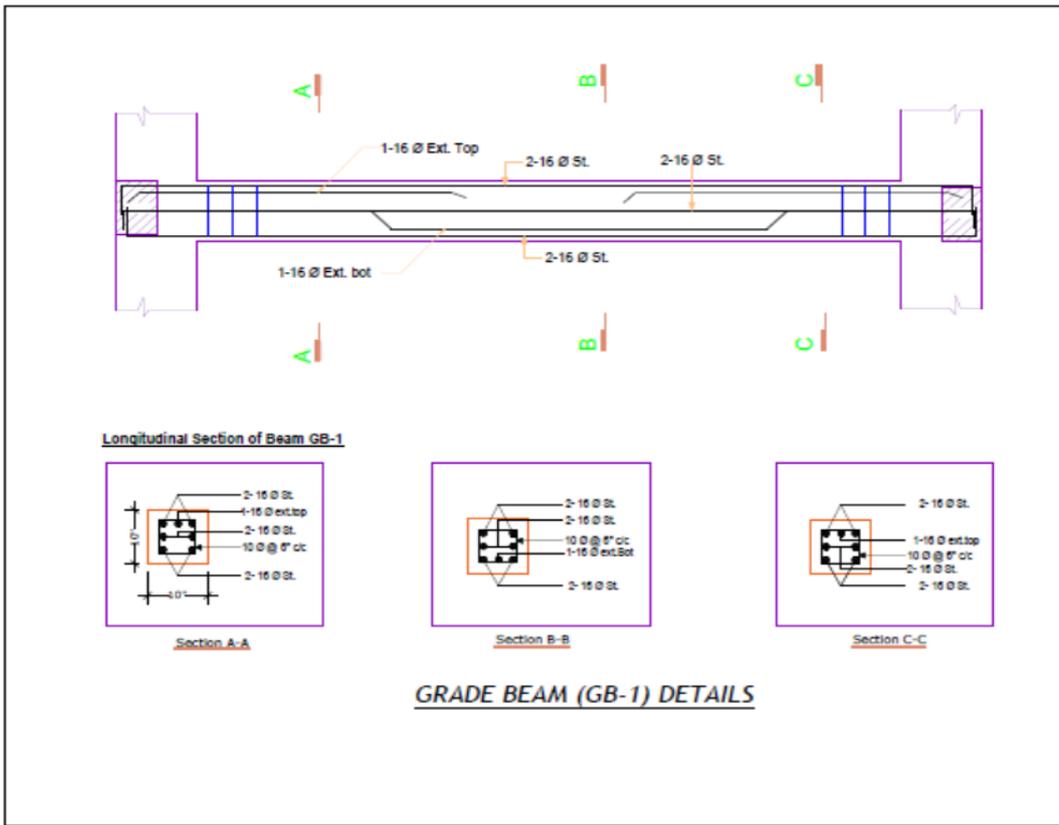
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Sheet no
 02/10





WaterAid

Project name and address
GO4IMPact Programme
Naogoon.

Intervention type
 Rehabilitation New Intervention

Drawing title
Grade Beam Details

Prepared by

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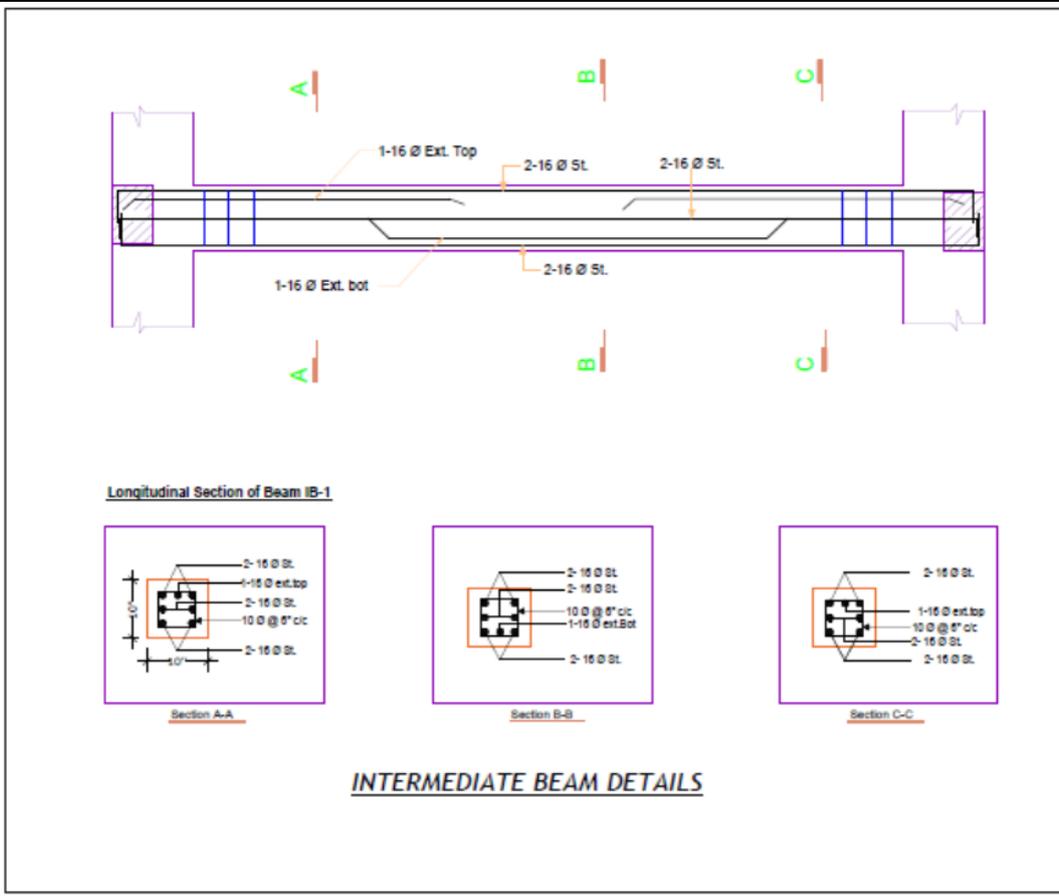
Reviewed by

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Sheet no
05/10



WaterAid

Project name and address
GO4IMPact Programme
Naogoon.

Intervention type
 Rehabilitation New Intervention

Drawing title
Intermediate Beam Details

Prepared by

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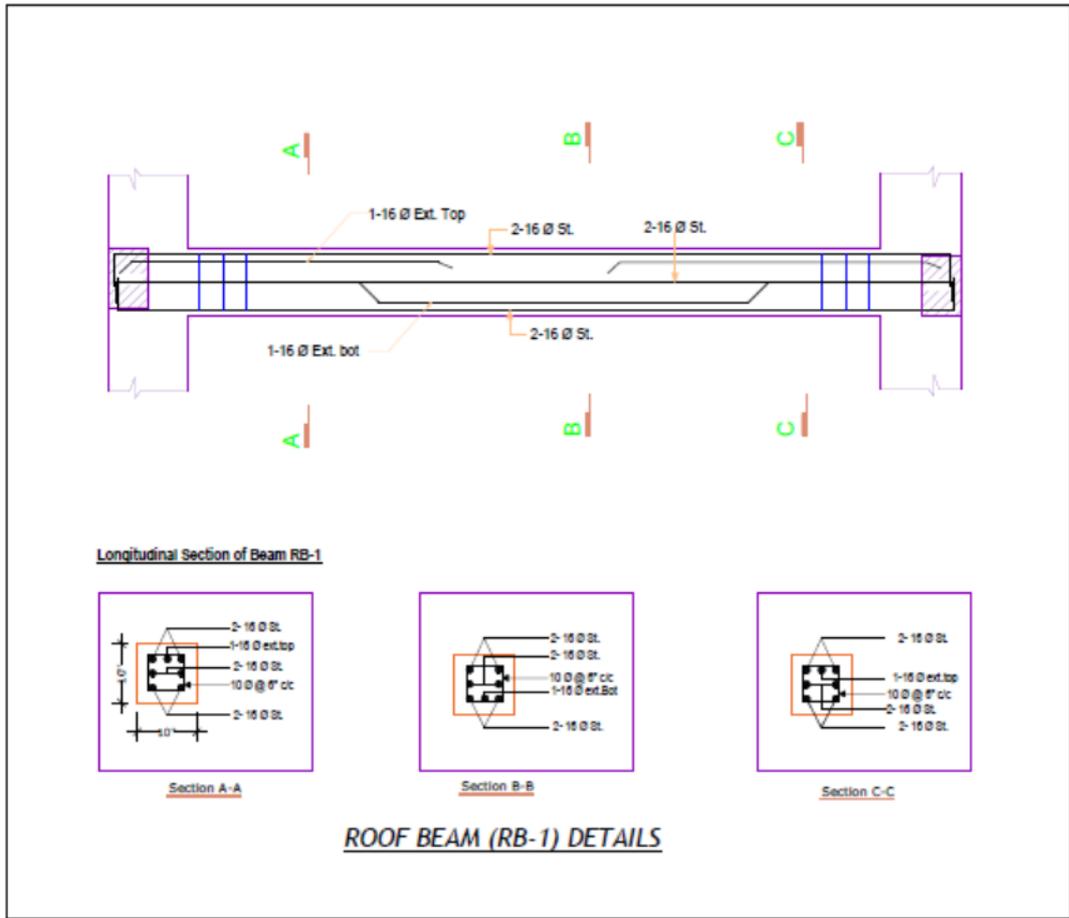
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WaterAid

Project name and address
GO4IMPact Programme
Naogaon

Intervention type
 Renovation New Intervention

Drawing title
Roof Beam Details

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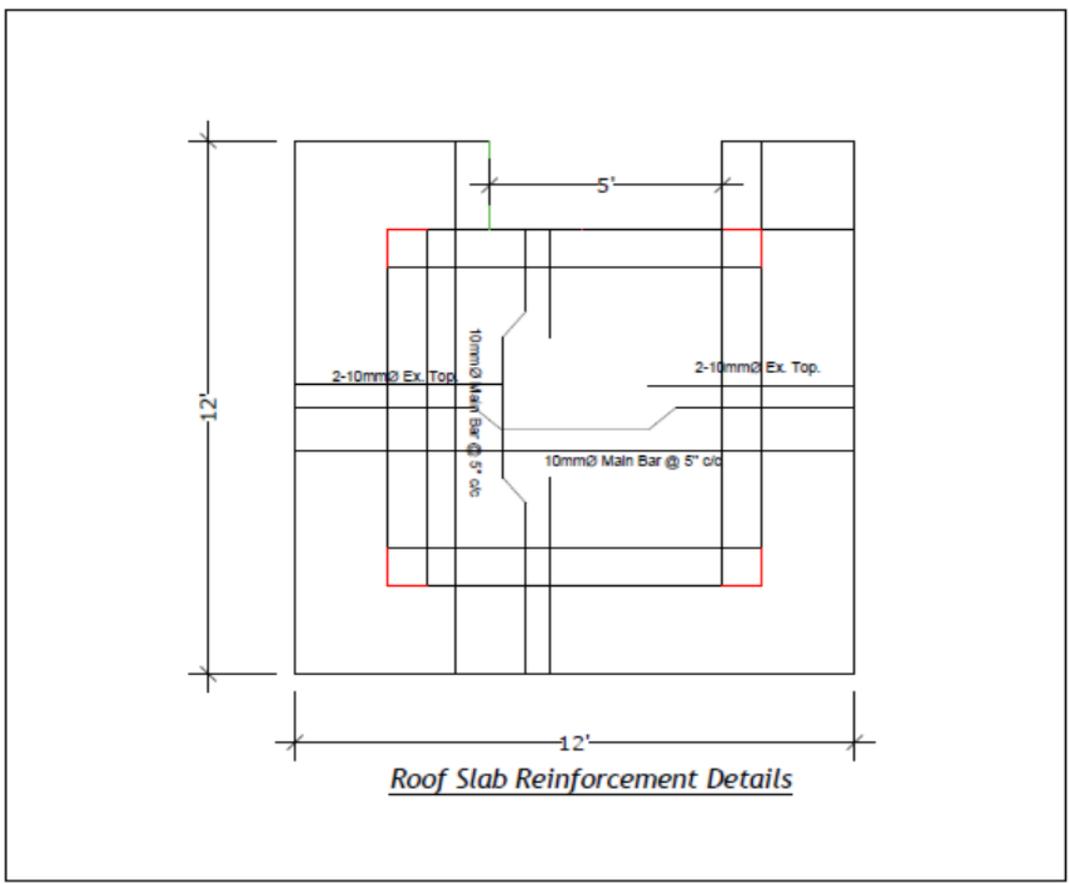
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Sheet no
07/10



WaterAid

Project name and address
GO4IMPact Programme
Naogaon

Intervention type
 Renovation New Intervention

Drawing title
Roof Slab Reinforcement Details

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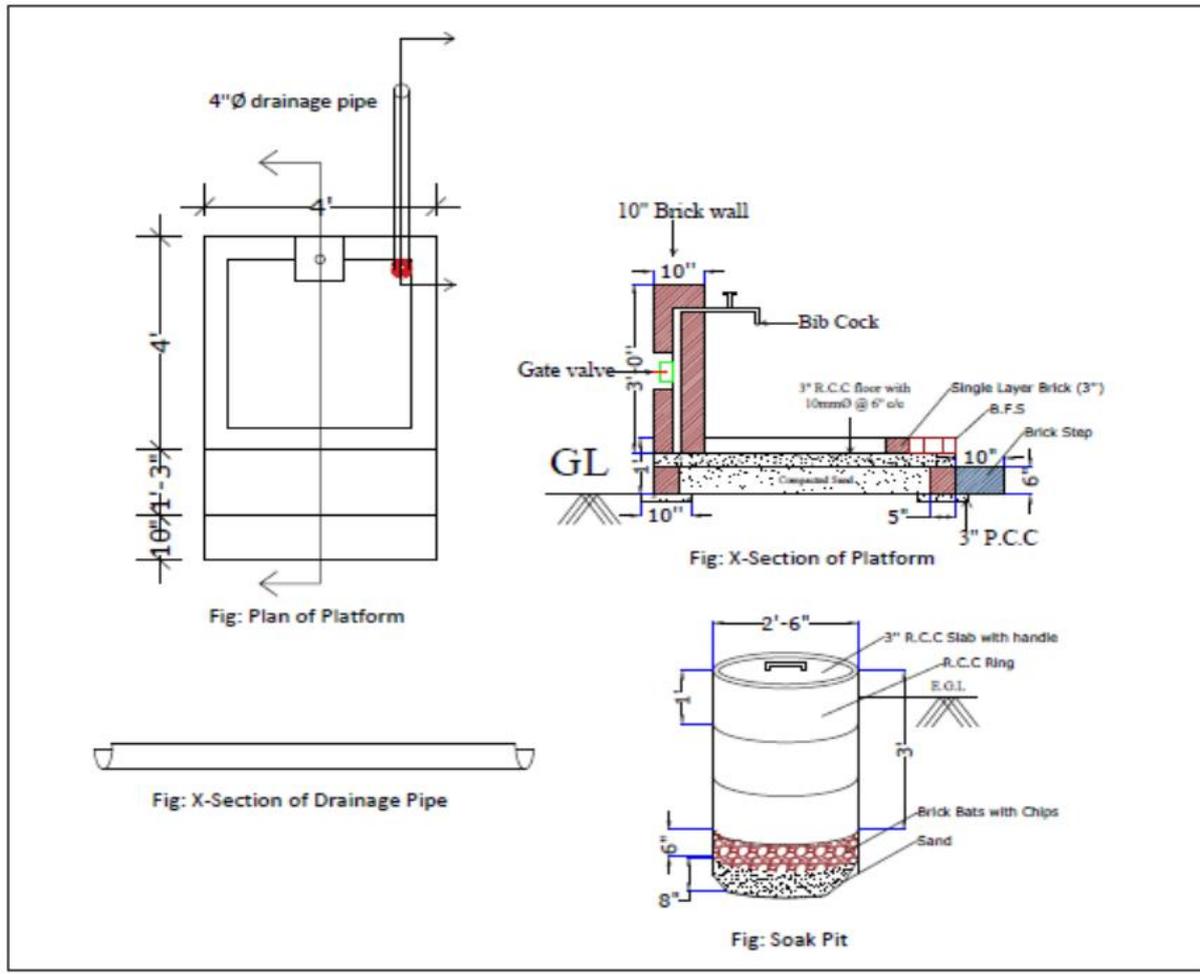
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08/10





3. Description/Specifications and Rate Sheet of Solar Pump, Solar Controller and Mini Water Pipe & Fittings line Networking Including Construction Work at Dhikapara, Union: Rosulpur, Niamatpur Upazila, Naogaon.

B. Construction:

Sl.	Short Description	Quantity	Unit	Unit Price BDT	Amount
1	Earthwork	274.528	cum		
2	Earth Filling	296.384	cum		
3	Sand Filling	5.797	cum		
4	One Layer Flat Soling (1st class Brick)	26.837	sqm		
5	10" Wall (1:5) 1st class brick (Seven Ring/ Scan/Premier/Crown/Holcim)	9.209	cum		
6	5" Wall (1:4) 1st class brick (Seven Ring/ Scan/Premier/Crown/Holcim)	14.140	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)	33.000	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)	11.000	nos		



Sl.	Short Description	Quantity	Unit	Unit Price BDT	Amount
9	Brick bats with chips for ring pit (per pit 0.10 cum)	1.100	cum		
10	Shuttering (Asper requirement wood and steel)	78.060	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)	2.183	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.	12.309	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)	2614.000	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.	420.000	kg		
15	Plaster work (1:4) (Seven Ring/ Scan/Premier/Crown/Holcim)	83.102	sqm		
16	Net cement finishing with cement plaster (Seven Ring/ Scan/Premier/Crown/Holcim)	91.821	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 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.	83.102	sqm		
18	Health safety materials (Gam butts, Helmet, Caution board, Cation tape, First Aid box and others related materials)	1.000	Ls		
19	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	no's		



Sl.	Short Description	Quantity	Unit	Unit Price BDT	Amount
	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.				
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 (2" dia)	1	no's		
4	Safety cover size 9" x 2' (22-gauge plain sheet with painting)	1	no's		
5	Safety cover size 8" x 8" (22-gauge plain sheet with painting)	11	no's		
6	Lock 32 no's size Master /HMBR lock or equal	11	no's		
7	Lock 50 no's size Master/HMBR lock or equal	5	no's		
8	Good quality 2 x 1 elbo	6	no's		
9	Good quality 2"x 1 tee	12	no's		
10	Good quality 1" nipple	12	no's		
11	Good quality 2" elbo	4	no's		
12	Good quality 2" tee	8	no's		
13	Good quality Royel Plug	5	Pac		
14	Good quality 2" Union	16	no's		
15	Good quality 1" Union	18	no's		
16	Good quality 2" Socket	4	no's		
17	Good quality 1" elbow	22	no's		
18	Good quality 2" nipple	11	no's		
19	Good quality 1" Socket	22	no's		



SL	Short Description	Quantity	Unit	Unit Price BDT	Amount
20	Good quality threat tape	40	no's		
21	Good quality bond plug	11	no's		
22	Supplying, fitting and fixing good quality 25mm Thread Pipe	30	meter		
23	Supplying, fitting and fixing good quality 50 mm Thread Pipe	15	meter		
24	Supplying, fitting and fixing good quality 75 mm HDPE Pipe	69	meter		
25	Supplying, fitting and fixing good quality 50mm HDPE Pipe	1190	meter		
26	Supplying, fitting and fixing good quality 25mm HDPE Pipe	304	meter		
27	Supplying, fitting and fixing good quality 4" dia uPVC drainage pipe (RFL/National/Akiz) 3.00 mm	10	meter		
28	Supplying, fitting and fixing good quality 4" dia uPVC elbow	11	no's		
29	Supplying, fitting and fixing good quality 4" dia SS net	11	no's		
30	Supplying, fitting and fixing good quality 1/0.75 GI Socket brush	11	no's		
31	Supplying, fitting and fixing good quality bib cock	11	no's		
32	Solvent cement (500 ML)	2	no's		
33	2" Gate valve	2	no's		
34	1" Gate valve	11	no's		
35	Supplying fitting and fixing standard size others related fixtures and fittings (Union, socket, elbow, tee, thread tap etc.)	11	set		



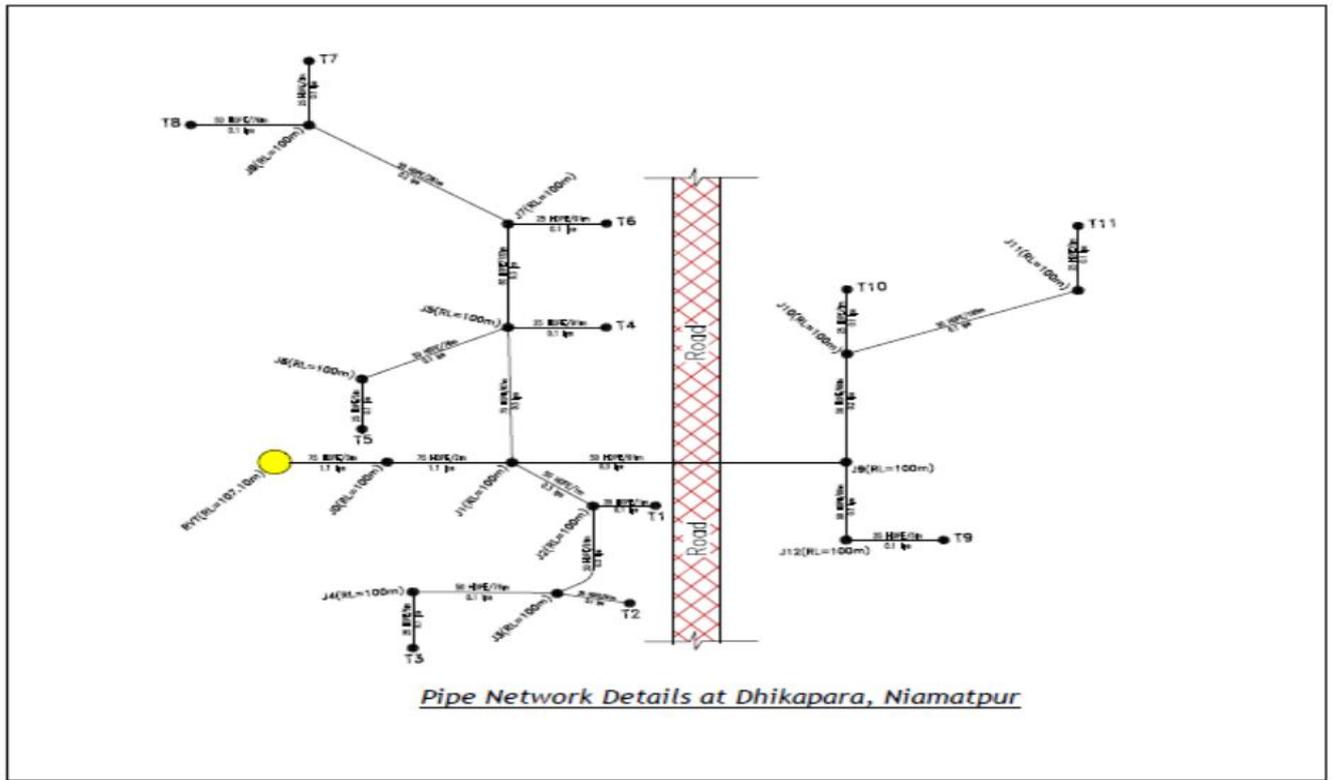
C. Solar pump and Solar Controller:

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	no's		
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



Pipe Network Details at Dhikapara, Niamatpur

PIPELINE DESIGN

(HYDRAULIC CALCULATIONS FOR BRANCH NETWORK)

Sheet No. 1 of 1

Dhikapara Piped Water Supply System

Do not insert Columns up to Here

S. No.	Pipe Line		Length (m)	Design Dia. (mm)	Direction	Reduced Level		Level Diff.	New Static Head (m)	Total Head Available (m)	Max. Static Pressure (kg/cm ²)	PIPE USED				HW C	Unit Head Loss (m/km)	Head Loss (m)	Residual Head (m)	Flow Velocity (m/s)	Hydraulic Gradient Line		Soil Type	Remarks		
	From	To				From	To					P.V.C. Pipe O.D. (mm)	P.V.C. Pipe I.D. (mm)	N.B. Pipe O.D. (mm)	N.B. Pipe I.D. (mm)						From	To				
1	Reservoir	RV1	3	0.140	D	100.00	109.10	-9.10	100.00	-9.10	0.00					40.00	M/C	90.0	1.20	0.00	-9.10	0.11	100.00	100.00	Ground water	
2	RV1	T1	0	0																						
3	J1	J2	2	2	1.100	R	100.00	100.00	0.00	107.10	7.10	7.10	75.00	6.00	63.60			130.0	2.90	0.00	7.10	0.36	107.10	107.10		
4	J2	T1	2	2	0.300	D	100.00	100.00	0.00	107.10	7.10	7.10	50.00	6.00	42.20			130.0	1.93	0.00	7.10	0.21	107.10	107.10		
5	J2	T1	1	1	0.100	U	100.00	100.00	0.00	107.10	7.09	7.10	25.00	10.00	18.90			130.0	12.60	0.01	7.08	0.36	107.09	107.08		
6	J2	T2	4	4	0.200	D	100.00	100.00	0.00	107.10	7.08	7.10	50.00	6.00	42.20			130.0	0.91	0.06	7.02	0.14	107.08	107.02		
7	J2	T2	91	101	0.100	R	100.00	100.00	0.00	107.10	7.02	7.10	25.00	10.00	18.90			130.0	12.60	1.27	6.76	0.36	107.02	106.75		
8	J2	T3	4	4	0.100	L	100.00	100.00	0.00	107.10	5.75	7.10	50.00	6.00	42.20			130.0	0.26	0.02	5.73	0.07	106.75	106.73		
9	J2	T3	5	5	0.100	D	100.00	100.00	0.00	107.10	5.73	7.10	25.00	10.00	18.90			130.0	12.60	0.07	5.66	0.36	106.73	106.66		
10	J1	T4	67	74	0.500	U	100.00	100.00	0.00	107.10	7.09	7.10	75.00	6.00	63.60			130.0	0.67	0.05	7.04	0.16	107.09	107.04		
11	J5	T4	91	101	0.100	R	100.00	100.00	0.00	107.10	7.04	7.10	25.00	10.00	18.90			130.0	12.60	1.27	5.76	0.36	107.04	106.78		
12	J5	T5	76	84	0.100	L	100.00	100.00	0.00	107.10	5.75	7.10	50.00	6.00	42.20			130.0	0.26	0.02	5.73	0.07	107.04	107.02		
13	J5	T5	5	5	0.100	D	100.00	100.00	0.00	107.10	7.02	7.10	25.00	10.00	18.90			130.0	12.60	0.07	6.95	0.36	107.02	106.95		
14	J5	T6	122	134	0.300	U	100.00	100.00	0.00	107.10	7.04	7.10	50.00	6.00	42.20			130.0	1.93	0.26	5.78	0.21	107.04	106.78		
15	J7	T6	91	101	0.100	R	100.00	100.00	0.00	107.10	6.78	7.10	25.00	10.00	18.90			130.0	12.60	1.27	5.52	0.36	106.78	106.52		
16	J7	T7	381	419	0.200	L	100.00	100.00	0.00	107.10	5.52	7.10	50.00	6.00	42.20			130.0	0.91	0.38	5.14	0.14	106.52	106.14		
17	J7	T7	5	5	0.100	U	100.00	100.00	0.00	107.10	5.14	7.10	25.00	10.00	18.90			130.0	12.60	0.06	5.07	0.36	106.14	106.07		
18	J8	T8	76	84	0.100	L	100.00	100.00	0.00	107.10	5.07	7.10	50.00	10.00	38.00			130.0	0.42	0.04	5.04	0.09	106.07	106.04		
19	J1	T9	91	101	0.300	R	100.00	100.00	0.00	107.10	7.09	7.10	50.00	6.00	42.20			130.0	1.93	0.19	6.90	0.21	107.09	106.90		
20	J9	T10	69	75	0.200	U	100.00	100.00	0.00	107.10	6.90	7.10	50.00	6.00	42.20			130.0	0.91	0.07	6.83	0.14	106.90	106.83		
21	J10	T10	5	5	0.100	U	100.00	100.00	0.00	107.10	6.83	7.10	25.00	10.00	18.90			130.0	12.60	0.07	6.76	0.36	106.83	106.76		
22	J10	T11	168	184	0.100	R	100.00	100.00	0.00	107.10	6.76	7.10	50.00	6.00	42.20			130.0	0.26	0.05	6.71	0.07	106.76	106.71		
23	J11	T11	5	5	0.100	U	100.00	100.00	0.00	107.10	6.71	7.10	25.00	10.00	18.90			130.0	12.60	0.07	6.65	0.36	106.71	106.65		
24	J8	T9	5	5	0.300	R	100.00	100.00	0.00	107.10	6.85	7.10	50.00	6.00	42.20			130.0	1.93	0.15	6.50	0.21	106.85	106.50		
25	J12	T9	5	5	0.100	U	100.00	100.00	0.00	107.10	6.80	7.10	25.00	10.00	18.90			130.0	12.60	0.07	6.43	0.36	106.80	106.43		



Reservoir Tank Status

Project Name: Dhikapara Piped water supply system
 Designed By: _____

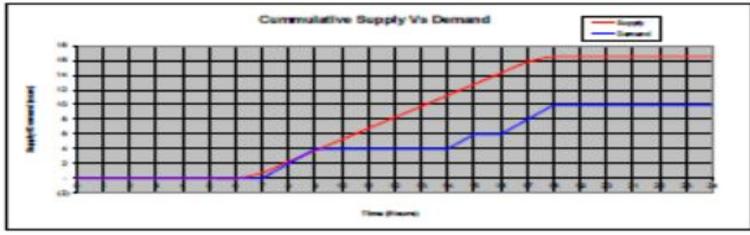
Demand Pattern

Peak (Community Demand)
 PM to 8 PM - 2 hours - 80%
 PM to 2 PM - 1 hours - 20%
 PM to 8 PM - 2 hours - 80%
 PM to 2 PM - 1 hours - 20%

Average Supply: 10.80 cum/day
 Average Demand: 9.80 cum/day
 0.14 m³/s
 0.12 m³/s

Hourly Flow Estimation

Hour	Demand	Supply	Reservoir Storage	Reservoir Deficit
1	0.00%	0.00	0.00	0.00
2	0.00%	0.00	0.00	0.00
3	0.00%	0.00	0.00	0.00
4	0.00%	0.00	0.00	0.00
5	0.00%	0.00	0.00	0.00
6	0.00%	0.00	0.00	0.00
7	0.00%	0.00	0.00	0.00
8	20.00%	1.80	1.80	0.00
9	20.00%	1.80	1.80	0.00
10	0.00%	0.00	1.80	0.00
11	0.00%	0.00	1.80	0.00
12	0.00%	0.00	1.80	0.00
13	0.00%	0.00	1.80	0.00
14	0.00%	0.00	1.80	0.00
15	20.00%	1.80	0.00	0.00
16	0.00%	0.00	0.00	0.00
17	20.00%	1.80	0.00	0.00
18	20.00%	1.80	0.00	0.00
19	0.00%	0.00	0.00	0.00
20	0.00%	0.00	0.00	0.00
21	0.00%	0.00	0.00	0.00
22	0.00%	0.00	0.00	0.00
23	0.00%	0.00	0.00	0.00
24	0.00%	0.00	0.00	0.00
Total	100.00%		Max. Storage/Deficit	0.00



Water Demand and Water Point Flow Calculation Sheet

SCHEME NAME : Dhikapara Piped Water Supply System
 LOCATION : Rasulpur WARD NO : 7 UPAZILLA : Niyamalpur DISTRICT : Naogaon

Required Data:
 Peak Factor: 3.2
 Per Capita Demand : 25 lpd
 Per Capita Demand for institutions/shops: 1 lpd
 Survey Year: 2025
 Base Year: 2025
 Design Year: 2030
 Survey Period (n) = 0 Years
 Design Period (n) = 15 Years
 Population Growth Rate [r] = 1.0%

Tap No	Cluster Name or Locality	Domestic Water Demand					Institutional Water Demand			Total Water Demand	Tap Flow Calculation					Remarks
		Nos of HH	Present Population (Po)	Base Population (Pb)	Design Population (Pn)	Total Domestic Demand	No. of Student in School	Other Institutional Demand	Total Institutional Demand		Average Tap Flow	Peak Factor	Peak Flow	Design flow	Adjusted Peak factor	
T1	Tap 1	6	22	22	26	650	-	-	650	0.008	3.20	0.026	0.10	12.50	Single Tap	
T2	Tap 4	3	30	30	35	875	-	-	875	0.010	3.20	0.032	0.10	10.00	Single Tap	
T3	Tap 5	6	29	29	34	850	-	-	850	0.010	3.20	0.032	0.10	10.00	Single Tap	
T4	Tap 2	6	24	24	28	700	-	-	700	0.008	3.20	0.026	0.10	12.50	Single Tap	
T5	Tap 3	6	26	26	30	750	-	-	750	0.009	3.20	0.029	0.10	11.11	Single Tap	
T6	Tap 9	6	29	29	34	850	-	-	850	0.010	3.20	0.032	0.10	10.00	Single Tap	
T7	Tap 10	6	41	41	48	1,200	-	-	1,200	0.014	3.20	0.045	0.10	7.14	Single Tap	
T8	Tap 11	7	35	35	41	1,025	-	-	1,025	0.012	3.20	0.038	0.10	8.33	Single Tap	
T9	Tap 6	7	38	38	44	1,100	-	-	1,100	0.013	3.20	0.042	0.10	7.69	Single Tap	
T10	Tap 7	7	34	34	39	975	-	-	975	0.011	3.20	0.035	0.10	9.09	Single Tap	
T11	Tap 8	7	34	34	39	975	-	-	975	0.011	3.20	0.035	0.10	9.09	Single Tap	
TOTAL		71	342	342	398	9,950			9,950	0.115	3.20		1.10			

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



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

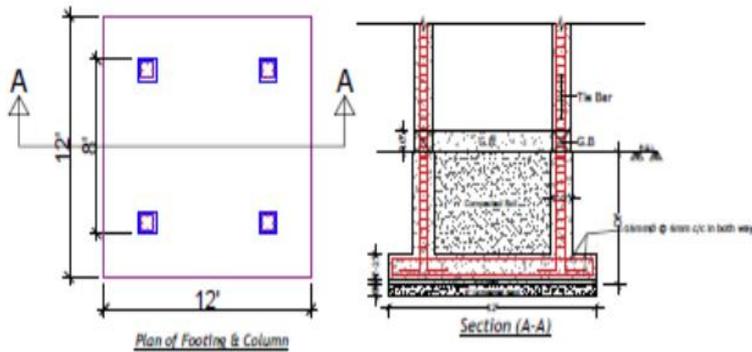
NO	BELOW G.L	ABOVE G.L
C-1		

NOTE:

IN ABSENCE OF SOIL INVESTIGATION REPORT FOUNDATION HAS BEEN DESIGNED BY CONSIDERING BEARING CAPACITY OF SOIL AS 2250 PSF. 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 PSF.
 CONCRETE STRENGTH (fc') = 2500 PSF.
 MIXING RATIO = 1:2:4
 CLEAR COVER OF COLUMN= 1.5 INCH (CONSIDERING COASTAL REGION)



Project name and address

GO+DMPract Programme
 Location: Naagsan

Interwiken type

Innovation New Intervention

Drawing title

Footing & Column Details

Prepared by

Acknowledged by

Reviewed by

Once checked by

Recommended by

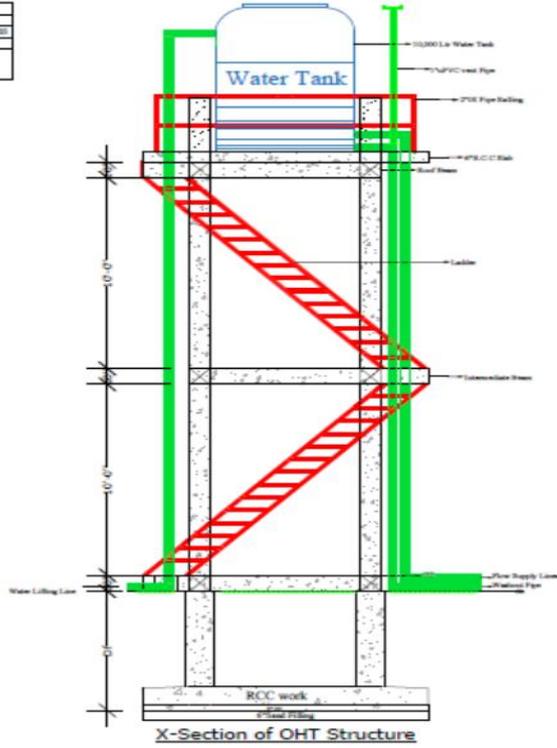
Approved by

Sheet no

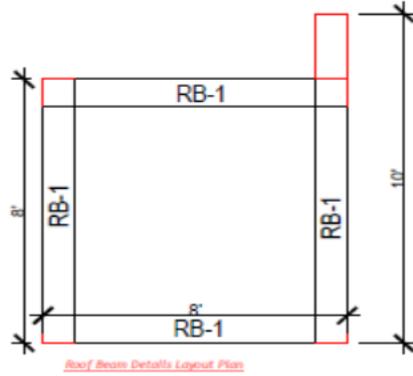
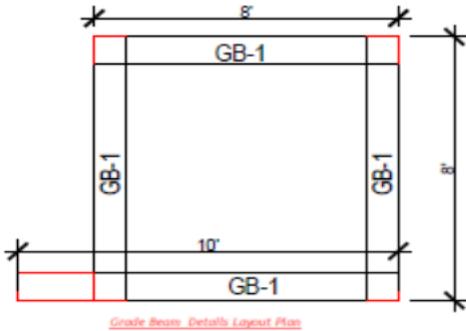
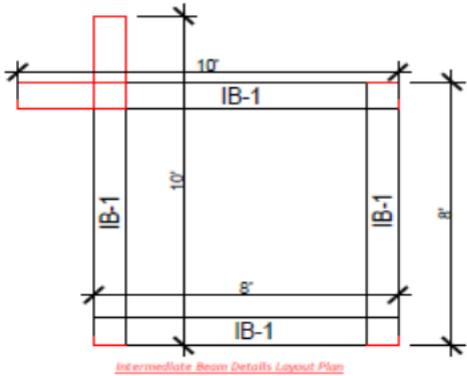
02/10



SCHEDULE OF FOOTING			
NO.	FOOTING	SIZE	THICKNESS
1	F1	42x12"	14"

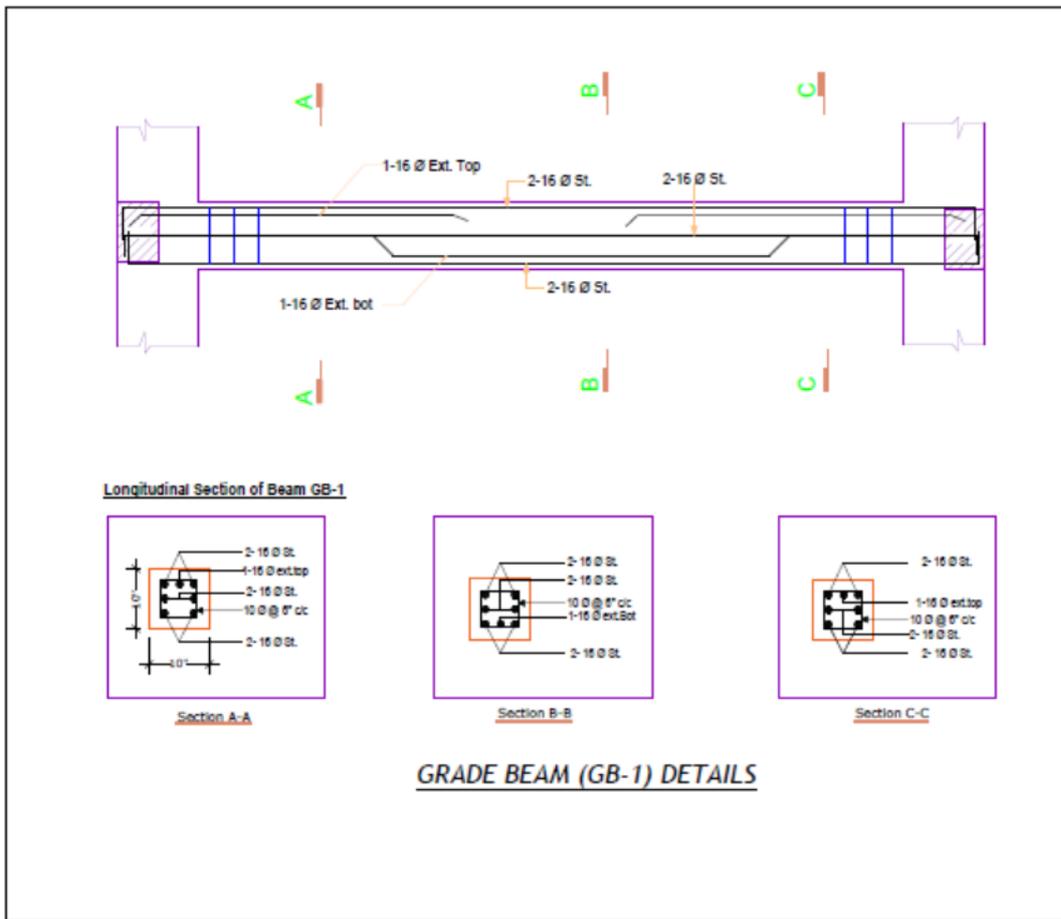


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GO4IMPact Programme Naogaon.	
Intervention type	
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Drawing title	
X-Section of Over Head Tank Structure	
Prepared by	
Acknowledged by	
Reviewed by	
Cross checked by	
Recommended by	
Approved by	
Sheet no	
03/10	



Project name and address	
GO4IMPact Programme Naogaon.	
Intervention type	
<input type="checkbox"/> Renovation	<input checked="" type="checkbox"/> New Intervention
Drawing title	
Beam Layout	
Prepared by	
Acknowledged by	
Reviewed by	
Cross checked by	
Recommended by	
Approved by	
Sheet no	
04/10	





WaterAid

Project name and address
 GO4IMPact Programme
 Naogaon.

Intervention type
 Restoration Rehabilitation

Drawing title
 Grade Beam Details

Prepared by

Acknowledged by

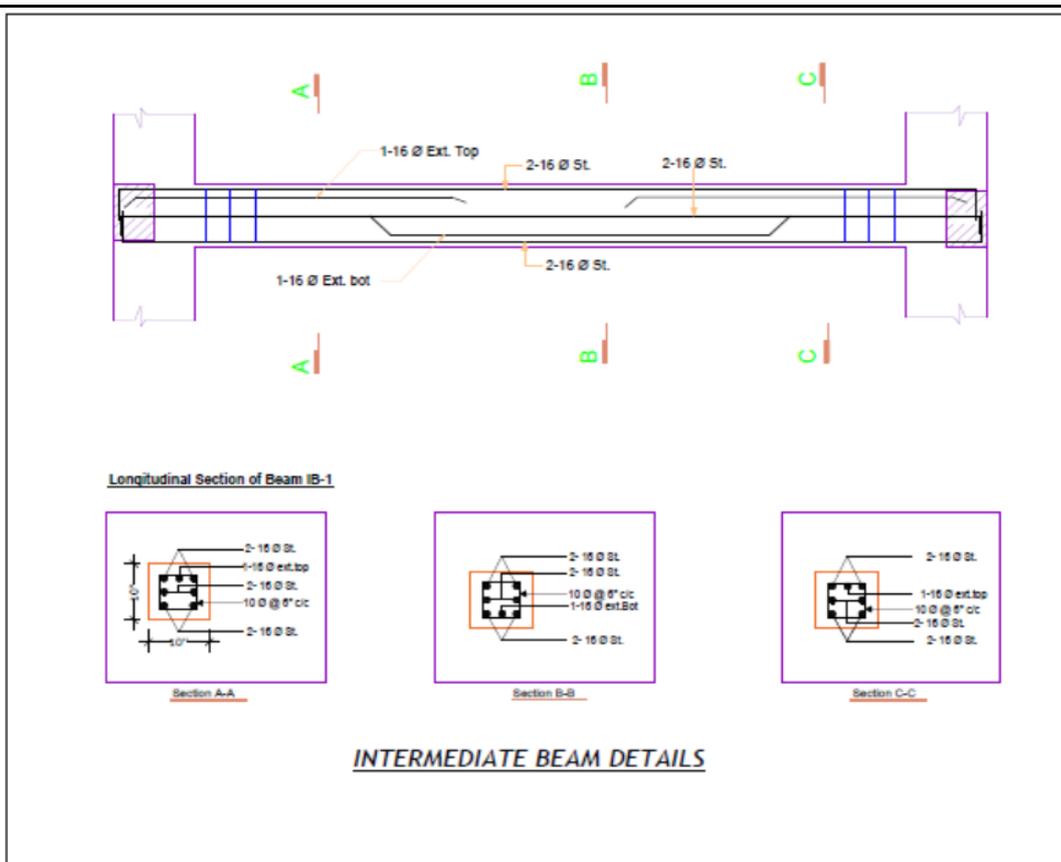
Reviewed by

Cross checked by

Recommended by

Approved by

Steel in
 05/10



WaterAid

Project name and address
 GO4IMPact Programme
 Naogaon.

Intervention type
 Restoration Rehabilitation

Drawing title
 Intermediate Beam Details

Prepared by

Acknowledged by

Reviewed by

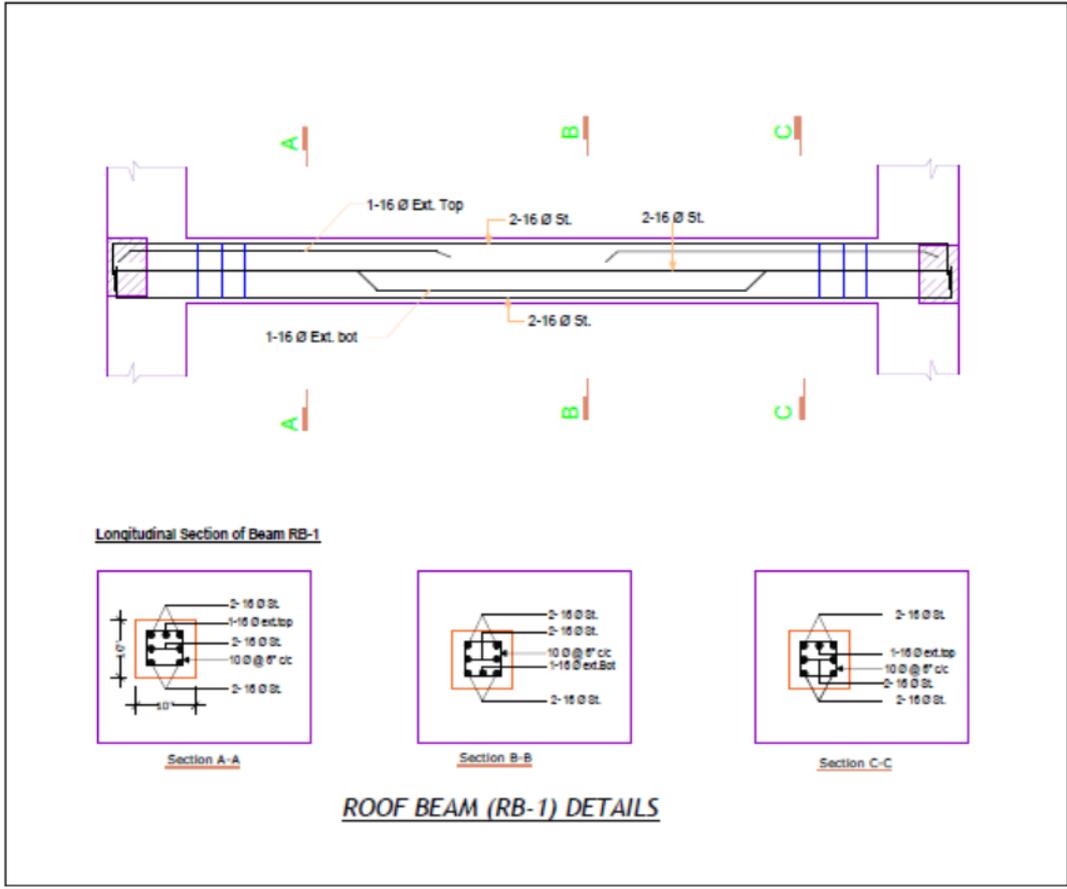
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Recommended by

Approved by

Steel in
 06/10





WaterAid

Project name and address
GO4IMPact Programme
Naagoon

Intervention type
 Rehabilitation New Intervention

Drawing title
Roof Beam Details

Prepared by

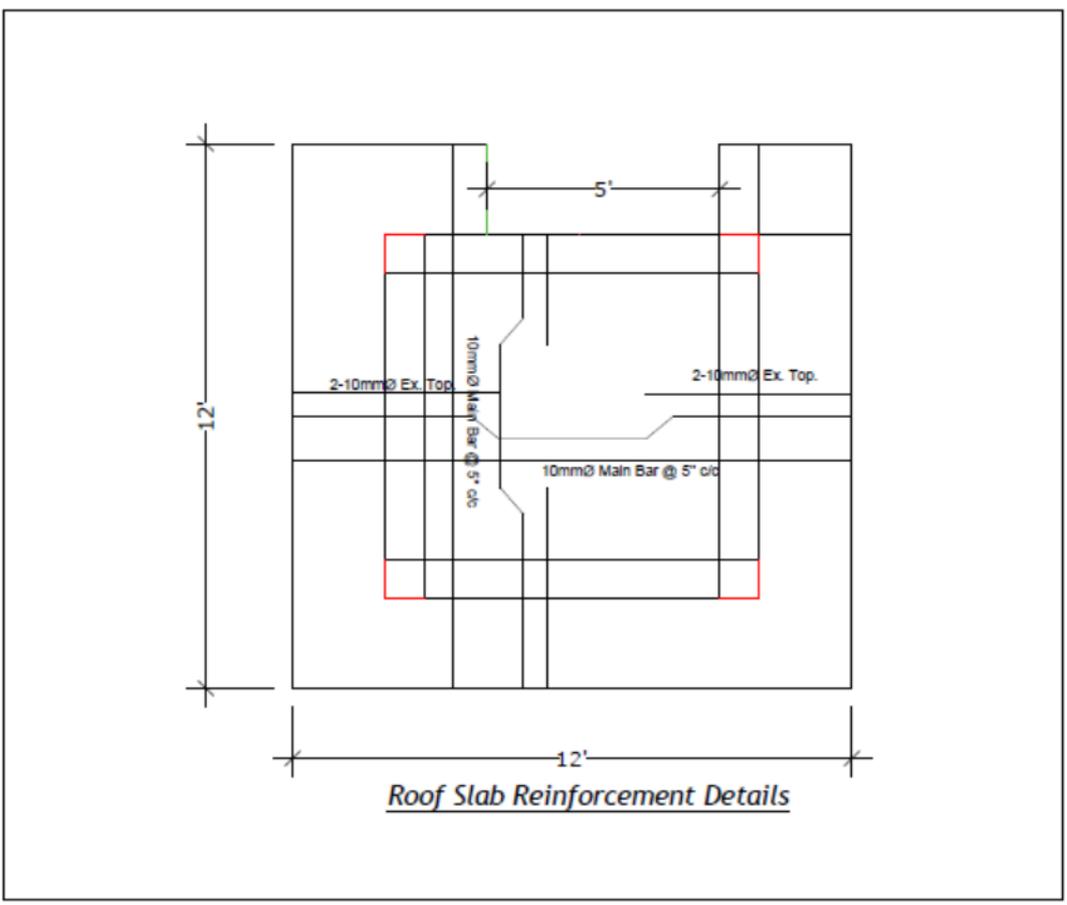
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Checked by

Recommended by

Approved by

Sheet no
07/10



WaterAid

Project name and address
GO4IMPact Programme
Naagoon

Intervention type
 Rehabilitation New Intervention

Drawing title
Roof Slab Reinforcement Details

Prepared by

Reviewed by

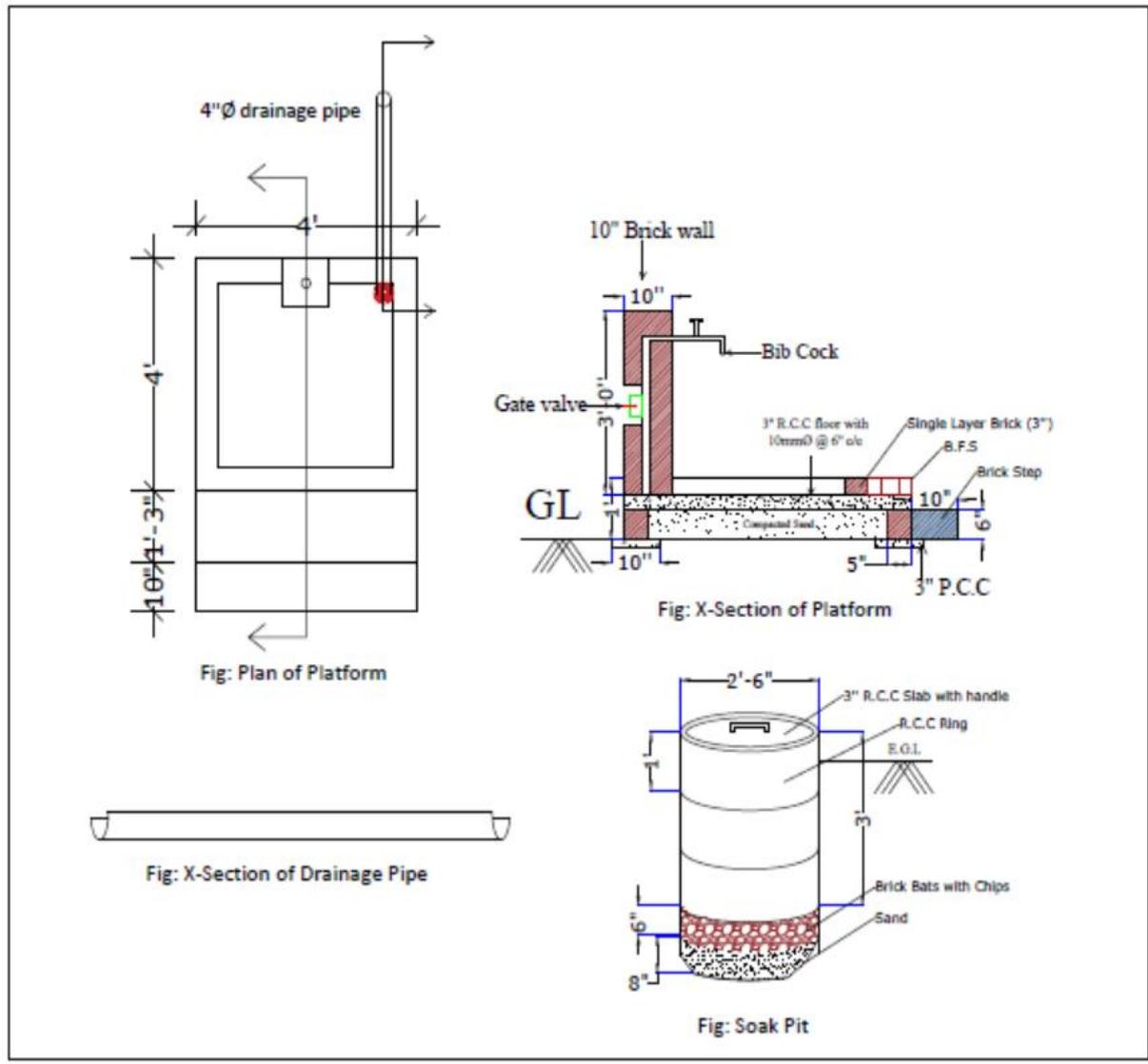
Checked by

Recommended by

Approved by

Sheet no
08/10





Annex-IV

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/work delivery in all respects within **15th May 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.

Annex-V

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:

For the Purchaser: Signature of the Procuring Entity with name and Designation	For the Supplier: Signature of the Supplier with name Designation
Date:	Date:



The Tender Price is:	<i>Taka [state amount in figures] -----</i> <i>and Taka [in words] -----</i> --
----------------------	--

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: _____

