



## Terms of Reference (ToR) for supplying Construction Materials

Project Title	WASH in School Project, Bardiya
Type of service	Supply of Construction materials
Location	15 schools of Rajapur (Rajapur, Geruwa and Madhuban Municipalities)
Name of the company/firm	External company/firm/supplier
Deadline of ITB submission	2 February 2021
Anticipated completion of project	15 May 2021

### 1. General Background

Good Neighbors Japan is a member of Good Neighbors International, which functions as a non-government organization around the world in over 40 countries and provides support and relief to over 210,000 children.

Good Neighbors Japan was established in 2004, and in 2013 received official authorization as a certified NPO organization focused on improving the public good. Both inside Japan and abroad internationally, Good Neighbors Japan carries out initiatives that help children to receive an education and with helping out disaster relief.

Good Neighbors Japan (GNJP) is implementing WASH in School Project in Bardiya district covering 15 schools of Rajapur, Geruwa and Madhuban rural/municipalities. The local implementing partner for the project is Sonaha Bikash Samaj (SBS) which is situated at Himalipur, Rajapur, Bardiya.

Sonaha Bikash Samaj (SBS) is a non-governmental, non-profitable, civil society organization, initially set up as a small organization in 2011 by a group of Sonaha. It was officially registered in 2011 as Sonaha Bikash Samaj (SBS) in District Administration office Bardiya and Social Welfare Council in 2011 A.D. With the passage of time, SBS has been able to expand itself into one of the recognizable organization in Bardiya district and Nepal together with its diverse development programs covering the indigenous and poorest people through the integrated programs.

## 2. Project Description and Rationale

This project aims to provide WASH facilities and hygiene education to promote proper hygiene practice to targeted primary and secondary schools in Bardiya District, Nepal.

Inadequate availability/maintenance of drinking water supply facilities and insufficient hygiene education hinder access to WASH in Nepal. In addition, the lack of gender-friendly toilets has caused negative effect to education for girl students because they tend to be absent from school in the menstrual period.

Based on the above situation, the main activities of this project are construction and repair of drinking water supply facilities, construction of gender-friendly toilets, establishment and strengthening of School WASH management committee, and providing Menstrual Hygiene Management education. Through these activities, this project aims at improving access to WASH and providing gender equality in education.

The project purpose is to provide proper WASH facilities at the 15 targeted primary schools and improve hygienic practices of the school community.

## 3. Scope of the work

The scope of **Construction Materials** supply shall include accurate quantity of materials and appropriate quality as specified in the technical specification. Similarly, the materials shall be supplied on time and also the transportation shall also to be made by the respective supplier up to venue (respective school location). The purchaser will be responsible for making payment for only the materials which is delivered at premises of schools in a good condition. The schools where the materials need to be supplied are listed below.

SN	Rural/ Municipality	School	Distance from the nearest point of highway (road accessibility )	Distance from the nearest market area
1	Rajapur Municipality	Shree Nepal Rastriya LSS, Rajapur 1, Daulatpur	On the road (Rajapur road)	Within 5 km from Rajapur bazar
2		Shree Janajyoti PS, Rajapur 1, Chhotki Daulatpur	500 meter from Rajapur road	Within 5 km from Rajapur bazar
3	Geruwa Rural Municipality	Khairabang Bhagwati LSS, Geruwa-2, Rajipur	3 km from Rajapur road	5 km from Shantibazaar
4		Shree Krishna PS, Geruwa-2, Ultanpur	On the Rajapur road	5 km from Shantibazaar
5		Saraswoti LSS, Geruwa-4, Jodhipur	7 km from Rajapur road	7 km from Shantibazaar
6		Nepal Rastriya LSS, Geruwa-4, Gidarpur	6 km from Rajapur road	6 km from Shantibazaar
7		Bal priya LSS, Geruwa-4, Tingharuwa	7 km from Rajapur road	7 km from Shantibazaar
8		Nepal Rastriya PS, Geruwa-3, Ganeshpur	3 km from Rajapur road	5.5 km from Shantibazaar
9		Amar Shahid PS, Geruwa 6, Bajhpur	7 km from Nepalgunj- Rajapur road	7 km from Ramjane Chowk
10	Madhuwan	Buddha PS	5 km from Nepalgunj-	7 km from

	Municipality		Rajapur road	Tarataal Bazaar
11		Trakeshwor PS	9 km from Nepalgunj-Rajapur road	9 km Tarataal Bazaar
12		Ganga PS	9 km from Nepalgunj-Rajapur road	9 km Tarataal Bazaar
13		Shiva Durga LSS	1 km from Nepalgunj-Rajapur road	3 km Tarataal Bazaar
14		Nepal Rastriya PS	4 km from Nepalgunj-Rajapur road	5.5 km Tarataal Bazaar
15		Janta PS	6 km from Nepalgunj-Rajapur road	10 km km Tarataal Bazaar

The units of toilets, boring and bio-sand filters to be constructed in respective schools are listed below while the detailed material list for the individual units of toilet can be found in annexes.

SN	Name of School	Type of construction				Remarks
		Boys toilet	Girls toilet	Deep boring	Bio-sand filter	
1	Shree Nepal Rastriya LSS	0	0	1	1	
2	Shree Janajyoti PS	0	0	1	1	
3	KhairabangBhagwati LSS	1	1	1	1	
4	Shree Krishna PS	1	1	1	1	
5	Saraswoti LSS	1	1	1	1	
6	Nepal Rastriya LSS	0	0	1	1	
7	Bal priya LSS	1	1	1	1	
8	Nepal Rastriya PS	0	0	1	1	
9	Amar Shahid PS	1	1	1	1	
10	Buddha PS	0	0	1	1	
11	Trakeshwor PS	0	0	1	1	
12	Ganga PS	0	0	1	1	
13	Shiva Durga LSS	1	1	1	1	
14	Nepal Rastriya PS	1	1	1	1	
15	Janta PS	0	0	1	1	
<b>Total</b>		<b>7</b>	<b>7</b>	<b>15</b>	<b>15</b>	

#### 4. Expected Deliverables

Followings deliverables are the expected from the supplier;

1. The Supplier will collect the required materials as per agreed specification
2. The supplier will ensure the genuine quality of materials
3. The supplier will segregate and package the materials as per school-wise requirement

4. The supplier will drop the materials at premises of respective schools and/or assigned place by school
5. The supplier will bear costs other than unit price such as transportation and other associated costs (duty fees, loss, load/unload cost etc).

## 5. Qualification and Experience of the company/bidder

1. The company must submit a valid company registration certificate.
2. The company must be specialized, officially registered, in the business by solely providing construction materials.
3. At least 3 years of working experience as supplier of construction materials in Nepal especially for I/NGOs.
4. The company must provide a brief company profile with reference to business owners, years of operations in Nepal, main office and branches, their client list, number of staffs working in the office.
5. Previous certificates of client reference from the clients already supplied.

## 6. Duration

The agreement will be effective immediate after accepting purchase order for supply of construction materials issued by SBS.

## 7. Budget and Payment Procedure

The supplier/firm should submit a rate including applicable taxes and transportation at the time of submission of **ITB**. The bidding form is given in the **Annex-5, 6 and 7**. The rate covers the unit rate including taxes and transportation charges etc.

The supplier/firm shall bear all the tariffs, duties and applicable taxes or charges levied at any stage during the execution of the work. Any loss and/or damages will be the responsibility of supplier/firm; no compensation will be provided by SBS/GNJP regarding this loss/damage.

### Mode of Payment

The payment shall be made after successful acceptance of materials against the purchase order.

The payment will be made through account payee cheque in the name of supplier.

## 8. Acceptance of Proposal

All rights to accept or reject the proposal without giving any notice and reason shall be reserved with SBS. If deemed necessary, the firm/supplier shall be asked for modification and presentation of the proposal before approval.

## 9. Management of the supply

The selected company/firm will be responsible to supply the construction materials after receiving purchase order and be accountable for the timely delivery of the construction materials as specified in scope of the work and expected deliverables.

Similarly, the selected company/firm shall manage the assessment and be accountable for the timely delivery of the expected quality service. The selected company/firm shall deliver the materials in coordination with the School Management Committee (SMC) of respective schools. The School management committee and/or technical person of SBS will verify the supplied materials and give feedback for correction if any.

## 10. Late Bids

Any Bid received by the Purchaser after the deadline for submission of Bids prescribed by the Purchaser, will be declared "Late" or "Rejected" and returned unopened to the Bidder as per bidders' wish.

## 11. Modification and Withdrawal of Bids

The Bidder is not allowed to modify or withdraw its Bid after the Bid's submission.

## 12. Responsibilities

### a. Supplier/firm

The supplier/firm will be responsible to accomplish the task outlined by this ToR and ensure the delivery of construction materials within the agreed budget and timeline.

### b. Sonaha Bikash Samaj (SBS)

- SBS guided by its policies and practices will assist the supplier/firm to achieve the objective of this ToR.
- Timely payment of supplied materials as per agreement

## 13. Termination of the contract

SBS will terminate the contract if the supplier/firm commits a breach in the performance or observance of its obligation under this ToR.

The supplier/firm shall be notified in writing a week prior to the termination of the agreement.

## 14. Confidentiality

During the performance of the assignment or any time after expiry or termination of the agreement, the supplier/firm shall not disclose to any person or otherwise make use of any confidential information which the company/firm has obtained or may obtain in the course of the work relating to SBS and other stakeholders.

## 15. Documents to be submitted

The bid shall contain following documents:

- A. Bid firm as stated in annex 3.
- B. In addition, the following documents shall be submitted by the bidder.
  - a. Copy of company/firm registration
  - b. Profile of firm with relevant experiences
  - c. A copy of Tax clearance certificate
  - d. VAT/ PAN registration
  - e. Audit report
  - f. Any other relevant documents

## 16. How submit the bid

The bid should reach at the address below via courier or hand delivery by **17:00 hrs., 2 February 2021**. Please, enclose the bid in an envelope, do seal and mark it with **"Bid for supply of Construction Materials"**

and send to:

**Sonaha Bikash Samaj (SBS)**  
Himalipur, Rajapur -1  
Rajapur, Bardiya

Or

**C/O**  
**Good Neighbors International Nepal**  
Ekantakuna-13, Lalitpur  
GPO Box 8975, EPC 1605  
Kathmandu, Nepal



**ANNEX 1**  
**Material List of Gender Friendly Toilets (GFTs)**

<b>SN</b>	<b>Description of materials</b>	<b>Unit</b>	<b>Quantity (for One school)</b>	<b>Quantity (for Seven school)</b>
<b>A</b>	<b>Local Materials</b>			
1	Stone	Cum	37.34	261.40
2	Sand	Cum	36.26	253.80
3	Aggregate			
3.1	10mm size	Cum	6.15	43.07
3.2	20mm size	Cum	10.61	74.30
3.3	40mm size	Cum	3.00	21.00
4	Soil	Cum	48.62	340.37
5	Hard wood			
5.1	Sal wood for door and window frame	Cum	1.00	7.03
5.2	Salwood for door shutter	cum	0.32	2.22
<b>B</b>	<b>Hardware Materials</b>			
1	NS quality OPC (53 Grade)	Bags	290.48	2,033.36
2	Machine Made Bricks	Nos	15,244.80	106,713.62
3	White Cement	kg	51.69	361.82
4	Glazed/Unglazed porcelain tiles(ordinary tiles)			
4.1	Unglazed	Sqm	60.00	420.00
4.2	Glazed	sqm	160.00	1,120.00
5	TMT Steel bar (Fe 500)			
5.1	MS rod-12 mm dia	MT	0.09	0.64
5.2	MS Rod- 10mm dia	MT	0.47	3.32
5.3	MS Rod- 8mm dia	MT	1.02	7.14
5.4	Binding wires	Kg	15.61	109.25
5.5	MS Rod-12mm dia for window Grill	MT	0.05	0.37
6	For Door Shutter			
6.1	19mm water proof plywood	Sqm	38.28	267.99
6.2	3mm commercial plywood	Sqm	21.34	149.40
7	Door/Window Fittings			
7.1	75mm Holdfast	Nos	89.45	626.15
7.2	100mm Hinge	Nos	27.77	194.39
7.3	150mm Tower Bolt	Nos	21.18	148.26
7.4	100mm handle	Nos	10.59	74.13
7.5	Stainless Steel Lock set	Nos	9.59	67.13
8	Painting Items			
8.1	Duracel Paint for exterior brick expose(brick color)	Ltrs	50.00	350.00

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8.2	Distemper Paint for interior wall(cream color)	Ltrs	25.34	177.39
8.3	Distemper paint for ceiling(white color)	Ltrs	10.00	70.00
8.4	Enamel paint for door, window frame and grill(Olive Green Color)	Ltrs	27.99	195.93
8.5	Enamel paint for door, window shutter frame(chocolate color)	Ltrs	12.00	84.00
8.6	Weather coat for exterior bands(Off white color)	Ltrs	8.00	56.00
8.7	Interior wall primer	Ltrs	12.67	88.69
8.8	wood primer	Ltrs	8.00	56.00
8.9	Grill primer	Ltrs	4.00	28.00
8.10	Exterior Band Primer	Ltrs	4.00	28.00
8.11	Tarpetine	Ltrs	17.20	120.38
<b>9</b>	<b>Metal works and CGI sheet</b>			
9.1	ISNB 32M	Kg	85.49	598.42
9.2	ISNM 65M	Kg	120.76	845.34
9.3	ISNB 50M	Kg	45.64	319.51
9.4	Olive Green CGI sheet	Sqm	8.30	58.11
<b>10</b>	<b>Miscellaneous</b>			
10.1	2" Nails	Kg	10.14	71.01
10.2	3" Nails	Kg	15.22	106.52
10.6	110mm Vent cowl for incenarator	Nos	2.00	14.00
10.7	110mm PVC pipe for incenartor	RM	3.00	21.00
10.8	Bitumen Washer	Nos	38.05	266.34
10.9	Plastic Bucket 5 ltrs	Nos	6.00	42.00
10.10	Mug	Nos	6.00	42.00
10.11	Wire net for ventilation	RM	10.00	70.00
<b>11</b>	<b>Tools</b>			
11.1	Paint Brush 1"	Nos	4.00	28.00
11.2	Paint Brush 2"	Nos	4.00	28.00
11.3	Paint Brush 3"	Nos	4.00	28.00
11.4	Painting Roller 8"	Nos	4.00	28.00
11.5	wire brush	Nos	8.00	56.00
11.6	Sand paper-60	Nos	20.00	140.00
11.7	Sand paper-80	Nos	35.00	245.00
11.8	Sand paper-120	Nos	35.00	245.00
<b>C</b>	<b>Sanitary Materials</b>			
<b>A</b>	<b>Hardware Materials</b>			
<b>A</b>	<b>COMOD</b>			
i)	a. Porcelain clay white glaze Indian Pattern 305 mm distance Comode all complete set (Hindware, Parryware, bolan or equivalent ) Constellation type,	Nos.	2	14.00



<b>B</b>	<b>WASH BASIN</b>			-
i)	24"x18"x10" stainless steel sink	Nos.	2	14.00
ii)	Bracket	Nos.	2	14.00
iii)	PVC bottle trap including 1.5" waste coupling with CP chain and rubber plug	Nos.	2	14.00
iv)	15mm fancy type CP pillar cock	Nos.	2	14.00
v)	1.5x45cm (1/2"x18") PVC pipe connector	Nos.	2	14.00
<b>C</b>	<b>ORISSA PAN</b>			-
1	580 mm Porcelain clay white glaze Orissa Pan (Hindware, Parryware, Classica, bolan or equivalent.)	Nos.	6	42.00
2	Chrome Plated bib cock 15mm	Nos.	10	70.00
3	Boys Urinals with fittings	Nos.	7	49.00
4	Chrome Plated Water Spray 1.5cm	Nos.	2	14.00
5	Chrome Plated 15mm dia Angle valve.	Nos.	2.00	14.00
6	Looking Mirror 55x40cm (22"x 16")	Nos.	4	28.00
7	PVC floor trap 11x7.5 cm all	Nos.	12	84.00
8	Grab bar American standard	Nos.	6	42.00
9	Chrome Plated Sink Mixer	Nos.	4	28.00
10	32 mm CPVC (Chlorinated Polyvinyl Chloride) Pipe SDR 13.5 CTS, 22.5 kg/cm <sup>2</sup> (flowguard or ISI Standard.	RM	15	105.00
11	25 mm CPVC (Chlorinated Polyvinyl Chloride) Pipe SDR 13.5 CTS, 22.5 kg/cm <sup>2</sup> (flowguard or ISI Standard.	RM	48	336.00
12	25 mm CPVC Sockets			-
12.1	Ball Valve, CTS sockets (1")	Nos.	6	42.00
12.2	Union (3/4")	Nos.	6	42.00
12.3	G.I Nipple (3/4")	Nos.	6	42.00
12.4	G.I Tee (3/4")	Nos.	6	42.00
12.5	Elbow 90 (3/4")	Nos.	8	56.00
12.6	Reducer Tee (3/4")	Nos.	6	42.00
12.7	Tee (3/4")	Nos.	6	42
12.8	Tee (1")	Nos.	2	14.00
12.9	Elbow 90(1")	Nos.	6	42.00
12.10	Female Elbow (1")	Nos.	6	42.00
12.11	Female Tee (1")	Nos.	2	14.00
13	3" PVC pipe of 4 kg/cm <sup>2</sup>	RM	50	350.00
14	4" PVC pipe of 4 kg/cm <sup>2</sup>	RM	30	210.00
15	3" Bend 45 degree	Nos.	16	112.00
16	3" Vent cowl	Nos.	2	14.00
17	3" Y- Branch	Nos.	16	112.00

18	3" Pipe clip	Nos.	4	28.00
19	3" Plain door tee	Nos.	4	28.00
20	3" Bend 90 degree	Nos.	16	112.00
21	3" 90 degree door bend	Nos.	2	14.00
22	110 mm Bend 45 degree	Nos.	16	112.00
23	4" Bend 90 degree	Nos.	16	112.00
24	4" vent cowl	Nos.	2	14.00
25	4" Door bend	Nos.	2	14.00
26	4" door tee	Nos.	16	112.00
27	2000 lit. PVC Water tank fixing all complete.(Tanky Nipple with washout Plug)	Nos.	2	14.00
28	Supply and installation of G.M. 15 mm check Valve	Nos.	2	14.00
<b>D</b>	<b>Septic Tank</b>			
<b>A</b>	<b>Hardware Materials</b>			
1	NS quality OPC (53 Grade)	Bags	43.88	307.16
2	Sand	Cum	6.06168596	42.43
3	Aggregate			-
	40mm	Cum	1.16514156	8.16
	20mm	Cum	1.43057191	10.01
	10mm	Cum	0.72351076	5.06
4	Stone	Cum	3.69739524	25.88
5	Reinforcement bar	MT	200.218222	1,401.53
6	Binding wire	Kg	2.00218222	14.02
7	Bricks	Nos	7803.85051	54,626.95
8	Metal Cover	Nos	6	42.00
9	4" vent pipe	Rm	1.82926829	12.80
10	3" PVC pipe	RM	5.48780488	38.41
<b>E</b>	<b>Soak Pit</b>			
<b>A</b>	<b>Hardware Material</b>			
1	NS quality OPC (53 Grade)	Bags	10.18	71.26
2	Sand	Cum	2.07979662	14.56
3	Aggregate			-
	20mm	Cum	0.41383635	2.90
	10mm	Cum	0.21054832	1.47
4	Stone	Cum	0.80830885	5.66
5	Reinforcement bar	Kg	56.993252	398.95
6	Binding wire	Kg	0.56993252	3.99
7	Honey comb bricks	Nos	1688.87882	11,822.15
8	Local B grade chimney made Brick	Nos	887.248018	6,210.74
9	Metal Cover	Nos	2	14.00
10	3" PVC pipe	ft	0.94	6.58

**ANNEX 2**  
**Material List of Deep Boring/Tubewell**

<u>SN</u>	<u>Description of materials</u>	<u>Unit</u>	<u>Quantity (for One school)</u>	<u>Quantity (for Fifteen school)</u>
1	Machine mobilization and demobilization	Team work	1	15
1.1	Machine Operator	day	10	150
1.2	Diesel	Event	1	15
1.3	Generator rental	Day	10	150
1.4	Bentonite Powder	Bags	25	375
1.5	Engine and tanker cost	Event	1	15
2	Driling of pilot hole bye 97/8" rotary rig	ft	300	4500
3	Lowring of well assembly	ft	300	4500
4	Gravel packing with pea gravel	Mtr.	4	60
5	114mm dia Ri PVC pipe ESD	ft	280	4200
6	114mm dia Rib pipe screen	ft	20	300
7	1" GI. pipe	ft	20	300
7.1	GI Union 1"	ft	1	15
7.2	2 HP Submersible pump	set	1	15
7.3	1 HP Handpump motor	Set	1	15
7.4	HDPE pipe 4"	ft	200	3000
7.5	Cast Iron Pipe 4"	ft	100	1500
7.6	Clamp	set	1	15
7.7	Cement	Bag	5	75
7.8	Sand	m3	1	15
7.9	Aggregate	m3	1	15

**ANNEX 3**  
**Material List of Bio-sand filter and water tap platform**

<b>SN</b>	<b>Description of materials</b>	<b>Unit</b>	<b>Quantity (for One school)</b>	<b>Quantity (for Fifteen school)</b>
<b>A</b>	<b>Local Materials</b>			
1	<i>Stone</i>	Cum	1.00	15
2	<i>Sand</i>	Cum	4.00	60
3	<b>Aggregate - Crusher</b>			-
3.1	<i>10mm size</i>	Cum	1.00	15
3.2	<i>20mm size</i>	Cum	1.00	15
3.3	<i>40mm size</i>	Cum	0.36	5
4	<i>Soil</i>	Cum	0.03	0.45
5	<i>Soft wood</i>			-
5.1	<i>Local wood for formwork</i>	Cum	0.02	0.30
<b>B</b>	<b>Hardware Materials</b>			
1	<b>NS quality OPC (53 Grade)</b>	Bags	13.00	195
2	<b>Machine Made Bricks</b>	Nos	950.00	14,250
3	<b>White Cement</b>	kg	4.00	60
4	<b>Steel Truss, mild steel</b>	Kg	350.00	5,250
5	<b>Glazed/Unglazed porcelain Ordinary tiles</b>			-
5.1	<b>Non glazed</b>	Sqm	4.72	71
5.2	<b>Glazed</b>	sqm	2.85	43
6	<b>TMT Steel bar (Fe 500)</b>			-
6.1	<i>MS rod-12 mm dia</i>	Kg	17.00	255
6.2	<i>MS Rod- 8mm dia</i>	Kg	20.00	300
6.3	<i>Binding wires</i>	Kg	0.22	3.30
<b>C</b>	<b>Miscellenous</b>			
8.1	<i>2" Nails</i>	Kg	1.00	15
8.2	<i>3" Nails</i>	Kg	0.35	5.25
<b>D</b>	<b>Painting Items</b>			
9.1	<i>outer wall primer</i>	Ltr	1.00	15
9.2	<i>weather coat (olive oil green)</i>	Ltr	1.00	15
9.3	<i>Enamel(olive oil green)</i>	Ltr	3.00	45
9.4	<i>Metal Primer</i>	Ltr	3.00	45
9.5	<i>Paint Brush 2"</i>	Nos	2.00	30
9.6	<i>Tarpin oil</i>	Ltr	2.00	30
9.7	<i>Sand paper-120</i>	Nos	35.00	525
<b>E</b>	<b>Bio sand filter materials Items with fitting</b>	Nos	1.00	15
<b>F</b>	<b>Sanitary Materials-Hardware Materials</b>			
1	Supplying and fitting of 15mm CP Bib Cock	Nos.	5.00	75

2	Supplying and fitting of C.P. 15mm Angle valve	Nos.	3.00	45
3	Supplying and fitting of CP Greeting 12.5cm (5") dai	Nos.	3.00	45
4	CPVC pipe 32mm	Rm	40.00	600
5	CPVC pipe 25mm	Rm	12.00	180
6	Ball valve 32mm	Nos.	4.00	60
7	Union32mm	Nos.	5.00	75
8	Socket 32mm	Nos.	10.00	150
9	CPVC Tankey nipple 32mm	Nos.	6.00	90
10	elbow 32mm	Nos.	9.00	135
11	Tee 32mm	Nos.	3.00	45
12	R- Socket (32mm/25mm)	Nos.	1.00	15
13	Tee 25mm	Nos.	5.00	75
14	elbow 25mm	Nos.	4.00	60
15	Female elbow 25mm	Nos.	5.00	75
16	1" CP nipple 20mm	Nos.	5.00	75
17	CP Cap	Nos.	5.00	75
18	Plastic Water Tank 1000Ltr	Nos.	1.00	15
19	Steel Water Tank 1000Ltr	Nos.	1.00	15
20	Water Tank 500Ltr Steel	Nos.	1.00	15
21	churi Tape	Nos.	6.00	90
22	75 mm Elbow	Nos.	2.00	30
23	75mm Tee	Nos.	3.00	45
24	75mm Bend 90 degree	Nos.	1.00	15
25	75mm Door Bend 90 degree	Nos.	1.00	15
26	Mseal	Nos.	4.00	60
27	75 mm socket	Nos.	2.00	30
28	75 PVC Pipe	Rm	7.00	105

#### Annex 4



## Defined color for painting works

Color for Painting works		Sample
CGI Sheet	Green (Preferably Olive green)	
Wall - Exterior	Light Yellow	
Wall - Interior	Ivory	
Grills	Dark Brown/ Chocolate Brown	
Iron works	Dark Brown/ Chocolate Brown	
Bands	Olive Green	
Wood Works	Dark Brown/ Chocolate Brown	

**ANNEX 5**  
**Bid Form for Materials of Gender Friendly Toilets (GFTs)**

**\*\* The Rate includes taxes, and transportation up to respective schools including load/unload charges**

<b>SN</b>	<b>Description of materials</b>	<b>Unit</b>	<b>Quantity</b>	<b>Rate (NPR)**</b>	<b>Amount (In number)</b>	<b>Amount (In Word)</b>	<b>Brand/Remarks</b>
<b>A</b>	<b>Local Materials</b>						
1	Stone	Cum	261.40				
2	Sand	Cum	253.80				
3	Aggregate (crushing)						
3.1	10mm size	Cum	43.07				
3.2	20mm size	Cum	74.30				
3.3	40mm size	Cum	21.00				
4	Soil	Cum	340.37				
5	Hard wood						
5.1	Sal wood for door and window frame	Cum	7.03				
5.2	Salwood for door shutter	cum	2.22				
<b>B</b>	<b>Hardware Materials</b>						
1	NS quality OPC (53 Grade)	Bags	2,033.36				
2	Machine Made Bricks	Nos	106,713.62				
3	White Cement	kg	361.82				
4	Glazed/Unglazed porcelain tiles(ordinary tiles)						
4.1	Unglazed	Sqm	420.00				
4.2	Glazed	sqm	1,120.00				
5	TMT Steel bar (Fe 500)						
5.1	MS rod-12 mm dia	MT	0.64				



5.2	MS Rod- 10mm dia	MT	3.32			
5.3	MS Rod- 8mm dia	MT	7.14			
5.4	Binding wires	Kg	109.25			
5.5	MS Rod-12mm dia for window Grill	MT	0.37			
<b>6</b>	<b>For Door Shutter</b>					
6.1	19mm water proof plywood	Sqm	267.99			
6.2	3mm commercial plywood	Sqm	149.40			
<b>7</b>	<b>Door/Window Fittings</b>					
7.1	75mm Holdfast	Nos	626.15			
7.2	100mm Hinge	Nos	194.39			
7.3	150mm Tower Bolt	Nos	148.26			
7.4	100mm handle	Nos	74.13			
7.5	Stainless Steel Lock set	Nos	67.13			
<b>8</b>	<b>Painting Items</b>					
8.1	Duracel Paint for exterior brick expose(brick color)	Ltrs	350.00			
8.2	Distemper Paint for interior wall(cream color)	Ltrs	177.39			
8.3	Distemper paint for ceiling(white color)	Ltrs	70.00			
8.4	Enamel paint for door, window frame and grill(Olive Green Color)	Ltrs	195.93			
8.5	Enamel paint for door, window shutter frame(chocolate color)	Ltrs	84.00			
8.6	Weather coat for exterior bands(Off white color)	Ltrs	56.00			
8.7	Interior wall primer	Ltrs	88.69			
8.8	wood primer	Ltrs	56.00			
8.9	Grill primer	Ltrs	28.00			





8.10	Exterior Band Primer	Ltrs	28.00				
8.11	Tarpentine	Ltrs	120.38				
<b>9</b>	<b>Metal works and CGI sheet</b>						
9.1	ISNB 32M	Kg	598.42				
9.2	ISNM 65M	Kg	845.34				
9.3	ISNB 50M	Kg	319.51				
9.4	Olive Green CGI sheet	Sqm	58.11				
<b>10</b>	<b>Miscellaneous</b>						
10.1	2" Nails	Kg	71.01				
10.2	3" Nails	Kg	106.52				
10.6	110mm Vent cowl for incenarator	Nos	14.00				
10.7	110mm PVC pipe for incenartor	RM	21.00				
10.8	Bitumen Washer	Nos	266.34				
10.9	Plastic Bucket 5 ltrs	Nos	42.00				
10.10	Mug	Nos	42.00				
10.11	Wire net for ventillation	RM	70.00				
<b>11</b>	<b>Tools</b>						
10.1	Paint Brush 1"	Nos	28.00				
10.2	Paint Brush 2"	Nos	28.00				
10.3	Paint Brush 3"	Nos	28.00				
10.4	Painting Roller 8"	Nos	28.00				
10.5	wire brush	Nos	56.00				
10.6	Sand paper-60	Nos	140.00				
10.7	Sand paper-80	Nos	245.00				
10.8	Sand paper-120	Nos	245.00				
<b>C</b>	<b>Sanitary Materials</b>						

<b>A</b>	<b>Hardware Materials</b>						
<b>A</b>	<b>COMOD</b>						
i)	a. Porcelain clay white glaze Indian Pattern 305 mm distance Comode all complete set (Hindware, Parryware, bolan or equivalent ) Constellation type,	Nos.	14.00				
<b>B</b>	<b>WASH BASIN</b>		-				
i)	24"x18"x10" stainless steel sink	Nos.	14.00				
ii)	Bracket	Nos.	14.00				
iii)	PVC bottle trap including 1.5" waste coupling withc CP chain and rubber plug	Nos.	14.00				
iv)	15mm fancy type CP pillar cock	Nos.	14.00				
v)	1.5x45cm (1/2"x18") PVC pipe connector	Nos.	14.00				
<b>C</b>	<b>ORISSA PAN</b>		-				
1	580 mm Porcelain clay white glaze Orissa Pan (Hindware, Parryware, Classica, bolan or equivalent.)	Nos.	42.00				
2	Chrome Plated bib cock 15mm	Nos.	70.00				
3	Boys Urinals with fittings	Nos	49.00				
4	Chrome Plated Water Spray 1.5cm	Nos.	14.00				
5	Chrome Plated 15mm dia Angle valve.	Nos.	14.00				
6	Looking Mirror 55x40cm (22"x 16")	Nos.	28.00				
7	PVC floor trap 11x7.5 cm all	Nos.	84.00				
8	Grab bar American standard	Nos.	42.00				
9	Chrome Plated Sink Mixer	Nos.	28.00				
10	32 mm CPVC (Chlorinated Polyvinyl Chloride) Pipe SDR 13.5	RM	105.00				

	CTS, 22.5 kg/cm2 (flowguard or ISI Standard.						
11	25 mm CPVC (Chlorinated Polyvinyl Chloride) Pipe SDR 13.5 CTS, 22.5 kg/cm2 (flowguard or ISI Standard.	RM	336.00				
12	25 mm CPVC Sockets		-				
12.1	Ball Valve, CTS sockets (1")	Nos.	42.00				
12.2	Union (3/4")	Nos.	42.00				
12.3	G.I Nipple (3/4")	Nos.	42.00				
12.4	G.I Tee (3/4")	Nos.	42.00				
12.5	Elbow 90 (3/4")	Nos.	56.00				
12.6	Reducer Tee (3/4")	Nos.	42.00				
12.7	Tee (3/4")	Nos.	42				
12.8	Tee (1")	Nos.	14.00				
12.9	Elbow 90(1")	Nos.	42.00				
12.10	Female Elbow (1")	Nos.	42.00				
12.11	Female Tee (1")	Nos.	14.00				
13	3" PVC pipe of 4 kg/cm2	RM	350.00				
14	4" PVC pipe of 4 kg/cm2	RM	210.00				
15	3" Bend 45 degree	Nos.	112.00				
16	3" Vent cowl	Nos.	14.00				
17	3" Y- Branch	Nos.	112.00				
18	3" Pipe clip	Nos.	28.00				
19	3" Plain door tee	Nos.	28.00				
20	3" Bend 90 degree	Nos.	112.00				
21	3" 90 degree door bend	Nos.	14.00				



22	110 mm Bend 45 degree	Nos.	112.00				
23	4" Bend 90 degree	Nos.	112.00				
24	4" vent cowl	Nos.	14.00				
25	4" Door bend	Nos.	14.00				
26	4" door tee	Nos.	112.00				
27	2000 lit. PVC Water tank fixing all complete.(Tanky Nipple with washout Plug)	Nos.	14.00				
28	Supply and installation of G.M. 15 mm check Valve	Nos.	14.00				
<b>D</b>	<b>Septic Tank</b>						
<b>A</b>	<b>Hardware Materials</b>						
1	NS quality OPC (53 Grade)	Bags	307.16				
2	Sand	Cum	42.43				
3	Aggregate		-				
	40mm	Cum	8.16				
	20mm	Cum	10.01				
	10mm	Cum	5.06				
4	Stone	Cum	25.88				
5	Reinforcement bar	MT	1,401.53				
6	Binding wire	Kg	14.02				
7	Bricks	Nos	54,626.95				
8	Metal Cover	Nos	42.00				
9	4" vent pipe	Rm	12.80				
10	3" PVC pipe	RM	38.41				
<b>E</b>	<b>Soak Pit</b>						
<b>A</b>	<b>Hardware Material</b>						
1	NS quality OPC (53 Grade)	Bags	71.26				



2	Sand	Cum	14.56			
3	Aggregate		-			
	20mm	Cum	2.90			
	10mm	Cum	1.47			
4	Stone	Cum	5.66			
5	Reinforcement bar	Kg	398.95			
6	Binding wire	Kg	3.99			
7	Honey comb bricks	Nos	11,822.15			
8	Local B grade chimney made Brick	Nos	6,210.74			
9	Metal Cover	Nos	14.00			
10	3" PVC pipe	ft	6.58			



## ANNEX 6

### Bid Form for Materials of Deep Boring/Tubewell

**\*\* The Rate includes taxes, and transportation up to respective schools including load/unload charges**

SN	Description of materials	Unit	Quantity	Rate	Amount (In number)	Amount (In Word)	Brand/Remarks
1	Machine mobilization and demobilization	Team work	15				
1.1	Machine Operator	day	150				
1.2	Diesel	Event	15				
1.3	Generator rental	Day	150				
1.4	Bentonite Powder	Bags	375				
1.5	Engine and tanker cost	Event	15				
2	Driling of pilot hole bye 97/8" rotary rig	ft	4500				
3	Lowring of well assembly	ft	4500				
4	Gravel packing with pea gravel	Mtr.	60				
5	114mm dia Ri PVC pipe ESD	ft	4200				
6	114mm dia Rib pipe screen	ft	300				
7	1" GI. pipe	ft	300				
7.1	GI Union 1"	ft	15				
7.2	2 HP Submersible pump	set	15				
7.3	1 HP Handpump motor	Set	15				
7.4	HDPE pipe 4"	ft	3000				
7.5	Cast Iron Pipe 4"	ft	1500				
7.6	Clamp	set	15				
7.7	Cement	Bag	75				
7.8	Sand	m3	15				
7.9	Aggregate	m3	15				



## ANNEX 7

### Bid Form for Materials of Bio-sand filter and water tap platform

\*\* The Rate includes taxes, and transportation up to respective schools including load/unload charges

SN	Description of materials	Unit	Quantity	Rate	Amount (In number)	Amount (In Word)	Brand/Remarks
<b>A</b>	<b>Local Materials</b>						
1	Stone	Cum	15				
2	Sand	Cum	60				
3	Aggregate - Crusher		-				
3.1	10mm size	Cum	15				
3.2	20mm size	Cum	15				
3.3	40mm size	Cum	5				
4	Soil	Cum	0.45				
5	Soft wood		-				
5.1	Local wood for formwork	Cum	0.30				
<b>B</b>	<b>Hardware Materials</b>						
1	NS quality OPC (53 Grade)	Bags	195				
2	Machine Made Bricks	Nos	14,250				
3	White Cement	kg	60				
4	Steel Truss, mild steel	Kg	5,250				
5	Glazed/Unglazed porcelain Ordinary tiles		-				
5.1	Non glazed	Sqm	71				
5.2	Glazed	sqm	43				
6	TMT Steel bar (Fe 500)		-				
6.1	MS rod-12 mm dia	Kg	255				
6.2	MS Rod- 8mm dia	Kg	300				
6.3	Binding wires	Kg	3.30				



<b>C</b>	<b>Miscellaneous</b>						
8.1	2" Nails	Kg	15				
8.2	3" Nails	Kg	5.25				
<b>D</b>	<b>Painting Items</b>						
9.1	outer wall primer	Ltr	15				
9.2	weather coat (olive oil green)	Ltr	15				
9.3	Enamel(olive oil green)	Ltr	45				
9.4	Metal Primer	Ltr	45				
9.5	Paint Brush 2"	Nos	30				
9.6	Tarpin oil	Ltr	30				
9.7	Sand paper-120	Nos	525				
<b>E</b>	<b>Bio sand filter materials Items with fitting</b>	Nos	15				
<b>F</b>	<b>Sanitary Materials-Hardware Materials</b>						
1	Supplying and fitting of 15mm CP Bib Cock	Nos.	75				
2	Supplying and fitting of C.P. 15mm Angle valve	Nos.	45				
3	Supplying and fitting of CP Greeting 12.5cm (5") dai	Nos.	45				
4	CPVC pipe 32mm	Rm	600				
5	CPVC pipe 25mm	Rm	180				
6	Ball valve 32mm	Nos.	60				
7	Union32mm	Nos.	75				
8	Socket 32mm	Nos.	150				
9	CPVC Tankey nipple 32mm	Nos.	90				
10	elbow 32mm	Nos.	135				
11	Tee 32mm	Nos.	45				





12	R- Socket (32mm/25mm)	Nos.	15				
13	Tee 25mm	Nos.	75				
14	elbow 25mm	Nos.	60				
15	Female elbow 25mm	Nos.	75				
16	1" CP nipple 20mm	Nos.	75				
17	CP Cap	Nos.	75				
18	Plastic Water Tank 1000Ltr	Nos.	15				
19	Steel Water Tank 1000Ltr	Nos.	15				
20	Water Tank 500Ltr Steel	Nos.	15				
21	churi Tape	Nos.	90				
22	75 mm Elbow	Nos.	30				
23	75mm Tee	Nos.	45				
24	75mm Bend 90 degree	Nos.	15				
25	75mm Door Bend 90 degree	Nos.	15				
26	Mseal	Nos.	60				
27	75 mm socket	Nos.	30				
28	75 PVC Pipe	Rm	105				

