



Republic of the Philippines
BANGSAMORO AUTONOMOUS REGION IN MUSLIMMINDANAO
SPECIAL BIDS AND AWARDS COMMITTEE
MARAWI REHABILITATION PROGRAM
OFFICE OF THE CHIEF MINISTER

Bangsamoro Government Center, Governor Gutierrez Avenue, Rosary Heights VII, Cotabato City 9600

**IN RE: COMPETITIVE PUBLIC BIDDING FOR
THE SUPPLY AND DELIVERY OF
CONSTRUCTION MATERIALS OF THE MARAWI
REHABILITATION PROGRAM-PROJECT
MANAGEMENT OFFICE (MRP-PMO)**

ABC: PHP 115,000,000.00

IB REFERENCE NO.: MRP-112022-26

SUPPLEMENTAL BID BULLETIN NO. 2022-12-001
December 2, 2022/Jumada I 8, 1444 AH

Pursuant to the Revised Implementing Rules and Regulations of Republic Act No. 9184 otherwise known as the Government Procurement Reform Act, please be advised of the following clarifications and Modifications on the Bidding Documents with respect to the subject procurement.


SUBJECT	ORIGINAL	AMENDED									
1. Approved Budget for the Contract (ABC) and Division into lots	The Office of the Chief Minister, Bangsamoro Autonomous Region in Muslim Mindanao (OCM-BARMM), through the General Appropriations Act for the Bangsamoro 2022 intends to apply the sum of One Hundred Twenty Million Pesos (PHP 120,000,000.00) being the Approved Budget for the Contract (ABC) to payment under the contract for the Supply and Delivery of Construction Materials of the MRP-PMO.	The Office of the Chief Minister, Bangsamoro Autonomous Region in Muslim Mindanao (OCM-BARMM), through the <u>General Appropriations Act for the Bangsamoro 2021</u> intends to apply the sum of <u>One Hundred Fifteen Million Pesos (PHP 115,000,000.00)</u> being the Approved Budget for the Contract (ABC) to payment under the contract for the Supply and Delivery of Construction Materials of the MRP-PMO. <u>The procurement consists of three (3) lots, to wit:</u>									
		<table><tr><th>Lot</th><th>Particulars</th><th>ABC</th></tr><tr><td>1</td><td><u>Supply and Delivery of Construction Materials of the MRP-PMO (Cluster I)</u></td><td><u>P46,000,000.00</u></td></tr><tr><td>2</td><td><u>Supply and Delivery of Construction</u></td><td><u>P34,500,000.00</u></td></tr></table>	Lot	Particulars	ABC	1	<u>Supply and Delivery of Construction Materials of the MRP-PMO (Cluster I)</u>	<u>P46,000,000.00</u>	2	<u>Supply and Delivery of Construction</u>	<u>P34,500,000.00</u>
		Lot	Particulars	ABC							
1	<u>Supply and Delivery of Construction Materials of the MRP-PMO (Cluster I)</u>	<u>P46,000,000.00</u>									
2	<u>Supply and Delivery of Construction</u>	<u>P34,500,000.00</u>									

		<table><tr><td></td><td><u>Materials of the MRP-PMO (Cluster II)</u></td><td></td></tr><tr><td><u>3</u></td><td><u>Supply and Delivery of Construction Materials of the MRP-PMO (Cluster III)</u></td><td><u>P34,500,000.00</u></td></tr></table>		<u>Materials of the MRP-PMO (Cluster II)</u>		<u>3</u>	<u>Supply and Delivery of Construction Materials of the MRP-PMO (Cluster III)</u>	<u>P34,500,000.00</u>		
	<u>Materials of the MRP-PMO (Cluster II)</u>									
<u>3</u>	<u>Supply and Delivery of Construction Materials of the MRP-PMO (Cluster III)</u>	<u>P34,500,000.00</u>								
2. Availability of Bidding Documents and Bidding Documents Fee	A complete set of Bidding Documents may be acquired by interested Bidders on November 21-December 8, 2022, 8:30 a.m.from the given address and website(s) below upon payment of the applicable fee for the Bidding Documents, in the amount of Ten Thousand Pesos (PHP 10,000.00), pursuant to the latest Guidelines issued by the GPPB. The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person.	<p>A complete set of Bidding Documents may be acquired by interested Bidders on <u>November 21-December 12, 2022, 8:30 a.m.</u> from the given address and website(s) below upon payment of the applicable fee for the Bidding Documents pursuant to the latest Guidelines issued by the GPPB. The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person. <u>The bidding Documents fee are as follows:</u></p> <table><tr><td><u>Lot</u></td><td><u>Bidding Documents Fee</u></td></tr><tr><td><u>1</u></td><td><u>P 25,000.00</u></td></tr><tr><td><u>2</u></td><td><u>P 25,000.00</u></td></tr><tr><td><u>3</u></td><td><u>P 25,000.00</u></td></tr></table>	<u>Lot</u>	<u>Bidding Documents Fee</u>	<u>1</u>	<u>P 25,000.00</u>	<u>2</u>	<u>P 25,000.00</u>	<u>3</u>	<u>P 25,000.00</u>
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<u>1</u>	<u>P 25,000.00</u>									
<u>2</u>	<u>P 25,000.00</u>									
<u>3</u>	<u>P 25,000.00</u>									
3. Submission and Receipt of bids	Bids must be duly received by the BAC Secretariat through manual submission at 3 rd Floor, Bangsamoro Planning and Development Authority Conference Hall 1, Bangsamoro Government Center, Cotabato City, on or before December 8, 2022, 8:30 a.m. Late bids shall not be accepted.	Bids must be duly received by the BAC Secretariat through manual submission at 3 rd Floor, Bangsamoro Planning and Development Authority Conference Hall 1, Bangsamoro Government Center, Cotabato City, on or before <u>December 12, 2022, 8:30 a.m.</u> Late bids shall not be accepted.								
4. Opening of bids	Bid opening shall be on December 8, 2022, 9:00 a.m. at 3 rd Floor, Bangsamoro Planning and Development Authority Conference Hall 1, Bangsamoro Government Center, Cotabato City. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.	Bid opening shall be on <u>December 12, 2022, 9:00 a.m.</u> at 3 rd Floor, Bangsamoro Planning and Development Authority Conference Hall 1, Bangsamoro Government Center, Cotabato City. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.								

5. Schedule of Requirements	<i>(The revised Schedule of Requirements is hereto attached as Annex “A”)</i>
6. Technical Specifications	<i>(The revised Schedule of Requirements is hereto attached as Annex “B”)</i>

This Supplemental/Bid Bulletin is issued to modify or amend the corresponding items in the Bidding Documents.

For guidance and information of all concerned.



NARCISA D. MACOG
Chairperson, Special Bids and Awards Committee

REVISED SCHEDULE OF REQUIREMENTS

Lot 1. Supply and Delivery of Construction Materials of the MRP-PMO (Cluster I)

Item Number	Materials/Description	Quantity	Unit	Delivered Week/Months
1	Plywood No. 0625 mm Thk.	2,000	shts.	Within 30 calendar days upon receipt of NTP
2	Wood No.2"x2"x10'	40,000	bd.ft.	
3	Wood No.2"x3"x10'	52,000	bd.ft.	
4	CWN No.4" (2kls.)	400	kg	
5	CWN No.2.5" (2kls.)	400	kg	
6	CWN No.1.5" (2kls.)	400	kg	
	FORMWORKS TOTAL			
7	Cement	36,200	bags	
8	Sand	3,200	cu.m.	
9	Gravel	3,000	cu.m.	
10	G.I Tie Wire No.16	3,600	kls.	
11	Rebars No.10 mm dia.	111,000	kg	
12	Rebars No.12 mm dia.	60,000	kg	
13	CHB No.100 mm thk.	143,400	pcs.	
	CONCRETE (Footing+WallFooting+Column+Beam+Beam+Flooring+MasonryBlock+Septic Vault) Total			
14	uPVC Pipe, 75mm dia.	800	lghts.	
15	PVC Elbow, 75mm dia.x 90 Degree	400	pcs.	
16	PVC Wye,75mm dia.	400	pcs.	
17	PVC Tee, 75mm dia.	400	pcs.	
18	PVC Clean Out, 75mm dia.	200	pcs.	
19	PVC P-Trap, 75mm dia. Ordinary	200	pcs.	

20	PVC Pipe, 25mm dia.	1,000	ln.m.	
21	PVC Elbow, 25mm dia.	800	Pcs.	
22	PVC Tee, 25mm dia.	800	Pcs.	
23	PVC Pipe, 20mm dia.	800	lghts	
24	PVC Elbow, 20mm dia.	600	pcs.	
25	PVC Tee, 20mm dia.	800	pcs.	
26	PP-R Female Adapter 20mm dia.	800	pcs.	
27	uPvc Pipe, 100mm dia.	1,200	lgths.	
28	PVC Pipe 90 deg Elbow, 100 mm dia.	800	lgths.	
29	PVC TEE, 100 mm dia.	800	lgths.	
30	PVC Solvent, 400 cc	200	can	
	PLUMBING ROUGH-IN TOTAL			
31	Junction Box No.4"x4"x1/2" PVC	1,000	pcs.	
32	Utility Box. No.2"x4x1/2" PVC	2,600	pcs.	
33	THHN No.2.0 mm²	20,000	mtrs.	
34	THHN No.3.5 mm²	20,000	mtrs.	
35	THHN No.5.5 mm²	6,000	mtrs.	
36	PVC Conduit Pipe No.20.mm Dia.	4,400	lghts.	
37	Circuit Breaker (20 Ampere)	400	unit	
38	Panel Board	200	unit	

Lot 2. Supply and Delivery of Construction Materials of the MRP-PMO (Cluster II)

Item Number	Description	Quantity	Unit	Delivered Week/Months
1	Plywood No. 0625 mm Thk.	1,500	shts.	Within 30 calendar days upon receipt of NTP
2	Wood No.2"x2"x10'	30,000	bd.ft.	
3	Wood No.2"x3"x10'	39,000	bd.ft.	

4	CWN No.4” (2kls.)	300	kg
5	CWN No.2.5” (2kls.)	300	kg
6	CWN No.1.5” (2kls.)	300	kg
	FORMWORKS TOTAL		
7	Cement	27,150	bags
8	Sand	2,400	cu.m.
9	Gravel	2,700	cu.m.
10	G.I Tie Wire No.16	83,250	kls.
11	Rebars No.10 mm dia.	83,250	kg
12	Rebars No.12 mm dia.	45,000	kg
13	CHB No.100 mm thk.	107,550	pcs.
	CONCRETE (Footings+WallFootings+Column+Beam+Beam+Flooring+MasonryBlock+Septic Vault) Total		
14	uPVC Pipe, 75mm dia.	600	lgths.
15	PVC Elbow, 75mm dia.x 90 Degree	300	pcs.
16	PVC Wye,75mm dia.	300	pcs.
17	PVC Tee, 75mm dia.	300	pcs.
18	PVC Clean Out, 75mm dia.	150	pcs.
19	PVC P-Trap, 75mm dia. Ordinary	150	pcs.
20	PVC Pipe, 25mm dia.	750	ln.m.
21	PVC Elbow, 25mm dia.	600	pcs.
22	PVC Tee, 25mm dia.	600	pcs.
23	PVC Pipe, 20mm dia.	600	lgths.
24	PVC Elbow, 20mm dia.	450	pcs.
25	PVC Tee, 20mm dia.	600	pcs.
26	PP-R Female Adapter 20mm dia.	600	pcs.
27	uPvc Pipe, 100mm dia.	900	lgths.
28	PVC Pipe 90 deg Elbow, 100 mm dia.	600	lgths.
39	PVC TEE, 100 mm dia.	600	lgths.
30	PVC Solvent, 400 cc	150	can

	PLUMBING ROUGH-IN TOTAL			
31	Junction Box No.4"x4"x1/2" PVC	750	pcs.	
32	Utility Box. No.2"x4x1/2" PVC	1950	pcs.	
33	THHN No.2.0 mm ²	15,000	mtrs.	
34	THHN No.3.5 mm ²	15,000	mtrs.	
35	THHN No.5.5 mm ²	4,500	mtrs.	
36	PVC Conduit Pipe No.20.mm Dia.	3,300	lghts.	
37	Circuit Breaker (20 Ampere)	300	unit	
38	Panel Board	150	unit	

Lot 3. Supply and Delivery of Construction Materials of the MRP-PMO (Cluster III)

Item Number	Description	Quantity	Unit	Delivered Week/Months
1	Plywood No. 0625 mm Thk.	1,500	shts.	Within 30 calendar days upon receipt of NTP
2	Wood No.2"x2"x10'	30,000	bd.ft.	
3	Wood No.2"x3"x10'	39,000	bd.ft.	
4	CWN No.4" (2kls.)	300	kg	
5	CWN No.2.5" (2kls.)	300	kg	
6	CWN No.1.5" (2kls.)	300	kg	
	FORMWORKS TOTAL			
7	Cement	27,150	bags	
8	Sand	2,400	cu.m.	
9	Gravel	2,700	cu.m.	
10	G.I Tie Wire No.16	83,250	kls.	
11	Rebars No.10 mm dia.	83,250	kg	
12	Rebars No.12 mm dia.	45,000	kg	
13	CHB No.100 mm thk.	107,550	pcs.	

	CONCRETE (Footings+WallFootings+Columns+Beams+Beams+Floorings+MasonryBlocks+Septic Vault) Total		
14	uPVC Pipe, 75mm dia.	600	lghts.
15	PVC Elbow, 75mm dia.x 90 Degree	300	pcs.
16	PVC Wye,75mm dia.	300	pcs.
17	PVC Tee, 75mm dia.	300	pcs.
18	PVC Clean Out, 75mm dia.	150	pcs.
19	PVC P-Trap, 75mm dia. Ordinary	150	pcs.
20	PVC Pipe, 25mm dia.	750	ln.m.
21	PVC Elbow, 25mm dia.	600	pcs.
22	PVC Tee, 25mm dia.	600	pcs.
23	PVC Pipe, 20mm dia.	600	lghts.
24	PVC Elbow, 20mm dia.	450	Pcs.
25	PVC Tee, 20mm dia.	600	pcs.
26	PP-R Female Adapter 20mm dia.	600	pcs.
27	uPvc Pipe, 100mm dia.	900	lgths.
28	PVC Pipe 90 deg Elbow, 100 mm dia.	600	lgths.
29	PVC TEE, 100 mm dia.	600	lgths.
30	PVC Solvent, 400 cc	150	can
	PLUMBING ROUGH-IN TOTAL		
31	Junction Box No.4"x4"x1/2" PVC	750	pcs.
32	Utility Box. No.2"x4x1/2" PVC	1950	pcs.
33	THHN No.2.0 mm ²	15,000	mtrs.
34	THHN No.3.5 mm ²	15,00	mtrs.
35	THHN No.5.5 mm ²	4,500	mtrs.
36	PVC Conduit Pipe No.20.mm Dia.	3,300	lghts.
37	Circuit Breaker (20 Ampere)	300	unit
38	Panel Board	150	unit

REVISED TECHNICAL SPECIFICATIONS

1. GENERAL CONDITIONS

All parts of the construction materials shall be purchased in accordance to the Specifications and to the entire satisfaction of this Procuring Entity.

The construction materials shall conform to all the requirements of the National Building Code, as well as the local rules and regulation of the Municipality, City and Province.

2. PROPORTIONING OF CONCRETE

All concrete works shall be done in accordance with the standard specification for plain and reinforced concrete as adopted by the Government. The cement to be used shall be **Portland or Pozzolan cements**, whichever is more readily available in the market.

The **fine aggregates** for concrete shall consist of natural sand or of inert materials with similar characteristics having clean, hard and durable grains, free from organic matter or loam.

The **coarse aggregates** shall consist of gravel, crushed gravel or rocks, or a combination of gravel and rocks, and shall consist of hard, tough, durable, clean and uncoated particles. The sizes of coarse aggregates to be used in the various part of the work shall be 3/4" or as required.

The mixture of cement plaster for concrete hollow block walls shall be 1 part of cement and 3 parts of sand.

3. STEEL REINFORCEMENTS

All steel reinforcement bars to be used in this construction shall consist of round **deformed bars** with lugs or projections on their sides to provide a greater bonding between concrete and the steel.

All steel reinforcing bars shall be accurately placed and secured against displacement by tying them together at each bar intersection with gauge **no. 16 G.I. tie wire**.

The steel reinforcement bars indicated on footings, column, beams and other concrete members should all conform to the number, size, and spacing as indicated on the drawings or schedule of steel reinforcements.

No metal reinforcements shall be installed in place unless it is free from rust, scales or other coating, which will destroy or reduce the bond with concrete.

4. LUMBER AND WOOD WORKS

All lumber to be used in this project shall be well seasoned thoroughly dry and free from loose or unsound knots, shakes or other imperfections impairing their strength, quality and appearance.

Plywood (0.00625m thk x 1.2m x 2.44m)

5. ELECTRICAL WORKS

All electrical works and materials shall conform to the provision of the latest edition of the Philippine Electrical Code.

The electrical wiring shall be installed thru MOLDFLEX coil cable PVC electrical conduit, fittings and appurtenances.

Automatic Circuit Breakers shall rated 220 V, 2 Pole, 60 Hz.

Electrical wires for light and power shall be rated 240 V, 60 Hz and minimum of 70 deg. Cel. Temperature rating.

The panel board shall provide with circuit directory and can accommodate up to 6 branches.

6. PLUMBING

The Plumbing installation shall conform to the provision of the latest edition of the National Plumbing Code of the Philippines and the rules and regulations enforced in the locality.

All sanitary pipelines, storm drain, vent pipes down spout shall be Polyvinyl Chloride (PVC) Series 1000.

For the in-house water supply piping installations, Water PVC pipes and brass fittings shall be used. Where a sanitary sewer system or sewage disposal is not operation in the locality, a standard septic vault shall be constructed.

Lot 1. Supply and Delivery of Construction Materials of the MRP-PMO (Cluster I)

Item Number	Materials/Description	Quantity	Unit	Statement of Compliance (Kindy attach evidence of compliance to the specifications)
1	Plywood No. 06C mm Thk.	2,000	shts.	
2	Wood No.2"x2"x10'	40,000	bd.ft.	
3	Wood No.2"x3"x10'	52,000	bd.ft.	
4	CWN No.4" (2kls.)	400	kg	

5	CWN No.2.5" (2kls.)	400	kg	
6	CWN No.1.5" (2kls.)	400	kg	
	FORMWORKS TOTAL			
7	Cement	36,200	bags	
8	Sand	3,200	cu.m.	
9	Gravel	3,000	cu.m.	
10	G.I Tie Wire No.16	3,600	kls.	
11	Rebars No.10 mm dia.	111,000	kg	
12	Rebars No.12 mm dia.	60,000	kg	
13	CHB No.100 mm thk.	143,400	pcs.	
	CONCRETE (Footing+WallFooting+Column+Beam+Beam+Flooring+MasonryBlock+Septic Vault) Total			
14	uPVC Pipe, 75mm dia.	800	lghts.	
15	PVC Elbow, 75mm dia.x 90 Degree	400	pcs.	
16	PVC Wye,75mm dia.	400	pcs.	
17	PVC Tee, 75mm dia.	400	pcs.	
18	PVC Clean Out, 75mm dia.	200	pcs.	
19	PVC P-Trap, 75mm dia. Ordinary	200	pcs.	
20	PVC Pipe, 25mm dia.	1,000	ln.m.	
21	PVC Elbow, 25mm dia.	800	Pcs.	
22	PVC Tee, 25mm dia.	800	Pcs.	
23	PVC Pipe, 20mm dia.	800	lghts	
24	PVC Elbow, 20mm dia.	600	pcs.	
25	PVC Tee, 20mm dia.	800	pcs.	
26	PP-R Female Adapter 20mm dia.	800	pcs.	
27	uPvc Pipe, 100mm dia.	1,200	lgths.	
28	PVC Pipe 90 deg Elbow, 100 mm dia.	800	lgths.	
29	PVC TEE, 100 mm dia.	800	lgths.	
30	PVC Solvent, 400 cc	200	can	
	PLUMBING ROUGH-IN TOTAL			

31	Junction Box No.4"x4"x1/2" PVC	1,000	pcs.	
32	Utility Box. No.2"x4x1/2" PVC	2,600	pcs.	
33	THHN No.2.0 mm²	20,000	mtrs.	
34	THHN No.3.5 mm²	20,000	mtrs.	
35	THHN No.5.5 mm²	6,000	mtrs.	
36	PVC Conduit Pipe No.20.mm Dia.	4,400	lghts.	
37	Circuit Breaker (20 Ampere)	400	unit	
38	Panel Board	200	unit	

Lot 2. Supply and Delivery of Construction Materials of the MRP-PMO (Cluster II)

Item Number	Description	Quantity	Unit	Statement of Compliance (Kindy attach evidence of compliance to the specifications)
1	Plywood No. 0625 mm Thk.	1,500	shts.	
2	Wood No.2"x2"x10'	30,000	bd.ft.	
3	Wood No.2"x3"x10'	39,000	bd.ft.	
4	CWN No.4" (2kls.)	300	kg	
5	CWN No.2.5" (2kls.)	300	kg	
6	CWN No.1.5" (2kls.)	300	kg	
	FORMWORKS TOTAL			
7	Cement	27,150	bags	
8	Sand	2,400	cu.m.	
9	Gravel	2,700	cu.m.	
10	G.I Tie Wire No.16	83,250	kls.	
11	Rebars No.10 mm dia.	83,250	kg	
12	Rebars No.12 mm dia.	45,000	kg	
13	CHB No.100 mm thk.	107,550	pcs.	
	CONCRETE (Footings+WallFootings+Columns+Beams+Beams+Floorings+MasonryBlocks+Septic Vault) Total			

14	uPVC Pipe, 75mm dia.	600	lghts.	
15	PVC Elbow, 75mm dia.x 90 Degree	300	pcs.	
16	PVC Wye,75mm dia.	300	pcs.	
17	PVC Tee, 75mm dia.	300	pcs.	
18	PVC Clean Out, 75mm dia.	150	pcs.	
19	PVC P-Trap, 75mm dia. Ordinary	150	pcs.	
20	PVC Pipe, 25mm dia.	750	ln.m.	
21	PVC Elbow, 25mm dia.	600	pcs.	
22	PVC Tee, 25mm dia.	600	pcs.	
23	PVC Pipe, 20mm dia.	600	lghts.	
24	PVC Elbow, 20mm dia.	450	pcs.	
25	PVC Tee, 20mm dia.	600	pcs.	
26	PP-R Female Adapter 20mm dia.	600	pcs.	
27	uPvc Pipe, 100mm dia.	900	lgths.	
28	PVC Pipe 90 deg Elbow, 100 mm dia.	600	lgths.	
39	PVC TEE, 100 mm dia.	600	lgths.	
30	PVC Solvent, 400 cc	150	can	
	PLUMBING ROUGH-IN TOTAL			
31	Junction Box No.4"x4"x1/2" PVC	750	pcs.	
32	Utility Box. No.2"x4x1/2" PVC	1950	pcs.	
33	THHN No.2.0 mm ²	15,000	mtrs.	
34	THHN No.3.5 mm ²	15,000	mtrs.	
35	THHN No.5.5 mm ²	4,500	mtrs.	
36	PVC Conduit Pipe No.20.mm Dia.	3,300	lghts.	
37	Circuit Breaker (20 Ampere)	300	unit	
38	Panel Board	150	unit	

Lot 3. Supply and Delivery of Construction Materials of the MRP-PMO (Cluster III)

Item Number	Description	Quantity	Unit	Statement of Compliance (Kindy attach evidence of compliance to the specifications)
1	Plywood No. 0625 mm Thk.	1,500	shts.	
2	Wood No.2"x2"x10'	30,000	bd.ft.	
3	Wood No.2"x3"x10'	39,000	bd.ft.	
4	CWN No.4" (2kls.)	300	kg	
5	CWN No.2.5" (2kls.)	300	kg	
6	CWN No.1.5" (2kls.)	300	kg	
	FORMWORKS TOTAL			
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	CONCRETE (Footings+WallFootings+Columns+Beams+Beams+Floorings+MasonryBlocks+Septic Vault) Total			
14	uPVC Pipe, 75mm dia.	600	lghts.	
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17	PVC Tee, 75mm dia.	300	pcs.	
18	PVC Clean Out, 75mm dia.	150	pcs.	
19	PVC P-Trap, 75mm dia. Ordinary	150	pcs.	
20	PVC Pipe, 25mm dia.	750	ln.m.	
21	PVC Elbow, 25mm dia.	600	pcs.	
22	PVC Tee, 25mm dia.	600	pcs.	

23	PVC Pipe, 20mm dia.	600	lghts.	
24	PVC Elbow, 20mm dia.	450	pcs.	
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26	PP-R Female Adapter 20mm dia.	600	pcs.	
27	uPvc Pipe, 100mm dia.	900	lgths.	
28	PVC Pipe 90 deg Elbow, 100 mm dia.	600	lgths.	
39	PVC TEE, 100 mm dia.	600	lgths.	
30	PVC Solvent, 400 cc	150	can	
	PLUMBING ROUGH-IN TOTAL			
31	Junction Box No.4"x4"x1/2" PVC	750	pcs.	
32	Utility Box. No.2"x4x1/2" PVC	1950	pcs.	
33	THHN No.2.0 mm ²	15,000	mtrs.	
34	THHN No.3.5 mm ²	15,000	mtrs.	
35	THHN No.5.5 mm ²	4,500	mtrs.	
36	PVC Conduit Pipe No.20.mm Dia.	3,300	lghts.	
37	Circuit Breaker (20 Ampere)	300	unit	
38	Panel Board	150	unit	