

Republic of the Philippines ZAMBOANGA CITY WATER DISTRICT

Pilar Street, Zamboanga City

SUPPLEMENTAL/BID BULLETIN ADDENDUM NO. 2019-010

This Addendum is issued to clarify, modify or amend items in the Bid Documents in view of the Pre-Bid Conference last July 2, 2019. This shall form an integral part of the Bid Documents.

PR No.	Item Description	Issues/Amendments/Updates/Clarifications for the particular Purchase Requisition	Issues/Amendments/Updates /Clarifications to the Bidding Documents
19-0127	Supply & Delivery of Washed Sand and Gravel for Various Capital Improvement Project (CIP)	 Each bidder shall submit One (1) original and Two (2) copies of the first and second component of its bid. 	Please refer to GPPB Resolution No. 26-2017 regarding Deferment of the implementation of the mandatory submission of Philippine Government Electronic Procurement System (PhilGEPS) Certificate of Registration
19-0164	Supply & Delivery of Gravel, Item 200, Item 201 & Washed Sand for Salintubig Program	Each bidder shall submit One (1) original and Two (2) copies of the first and second component of its bid.	and Membership in Competitive Bidding As per Section 25.2. of the 2016 Revised IRR of RA 9184, the first envelope shall contain the following technical
Lot No. 2019- 002	19-0099 – Supply & Delivery of PVC Materials for Various Capital Improvement Project (CIP) 19-0125 – Supply & Delivery of PVC Materials for Various Capital Improvement Project (CIP)	Please find attached revised Schedule of Requirements and Technical Specifications Each bidder shall submit One (1) original and Two (2) copies of the first and second component of its bid.	information/documents, at the least: a) For the procurement of Goods: i) PhilGEPS Certificate of Registration and membership in accordance with Section 8.5.2 of this IRR, except for foreign bidders participating in the procurement by a
19-0043	Supply & Delivery of Hardware Materials for Various Capital Improvement Project (CIP)	Each bidder shall submit One (1) original and Two (2) copies of the first and second component of its bid.	Philippine Foreign Service Office or Post, which shall submit their eligibility documents under Section 23.1 of this IRR: Provided, That the winning bidder shall register with the PhilGEPS
19-0095	Supply & Delivery of C.I. Materials for Various Capital Improvement Project (CIP)	 Each bidder shall submit One (1) original and Two (2) copies of the first and second component of its bid. 	in accordance with Section 37.1.4 of this IRR. ii) Statement of all Ongoing Government and Private Contracts; iii) Statement of SLCC;
19-0165	Supply & Delivery of 3,507 bags of Portland Cement 40 kg/bag for Salintubig Program	Each bidder shall submit One (1) original and Two (2) copies of the first and second component of its bid.	iv) NFCC Computation or committed Line of Credit; v) JVA or the Duly Notarized Statement in accordance with Section 23.1(b) of this IRR, if applicable; vi) Bid security in the prescribed form, amount and validity period; vii) Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or after-sales service/parts, if applicable; viii) Omnibus Sworn Statement in accordance with Section 25.3 of this IRR; and ix) For foreign bidders claiming eligibility by reason of their country's extension of reciprocal rights to Filipinos, a certification from the relevant government office of their country stating that Filipinos are allowed to participate in their government procurement activities for the same item or product.
		*	As per Section 25.4. of the 2016 Revised IRR of RA 9184, The second envelope shall contain the financial information/documents as specified in the PBDs. BAC shall adhere to the 2016 Revised IRR of RA 9184 and any discrepancies in the Instruction to Bidders, the 2016 Revised IRR of RA 9184 will prevail.
			Clarification(s) on any part of the Bidding Documents or for an interpretation must be in writing and submitted to the Procuring Entity at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

PR No.	Item Description	Issues/Amendments/Updates/Clarifications for the particular Purchase Requisition	Issues/Amendments/Updates /Clarifications to the Bidding Documents
			All forms of bid security are acceptable however if the Bidder opts to submit a Surety Bond it must be callable on demand and must be accompanied by (1) Certificate of Authority from the Insurance Commission authorizing the Insurance/Finance Company to issue such bond and (2) another Certification for the surety bond from the Insurance Commission for bidding purpose of the specific project. A new form of bid security which is Bid Securing Declaration is acceptable, pursuant to GPPB Resolution No. 03-2012 dated January 27, 2012.
			Proper tabbing of bid documents must be observed by the bidders.
			> The bidders are advised to observe the Bid Prices found in the ITB Clause 15.
			> The bidders are advised to observe the Format and Signing of Bids found in the ITB Clause 19.
			The bidders are advised to observe the Sealing and Marking of Bids found in the ITB Clause 20.

For guidance and information of all concerned.

Chairperson

Bids and Awards Committee

Posting date: July 9, 2019 Posted in the Phil-GEPS, ZCWD Website & Bid Bulletin

Supplemental/Bid Bulletin for Purchase Requisition Nos. 19-0127, 19-0164, Lot No. 2019-002, 19-0043, 19-0095 & 19-0165 Addendum No. 2019-010 Page 2 of 2

Section VI. Schedule of Requirements

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

LOT NO. 2019-002 PR No. 19-0099 TSmmØ x 6.00m PVC Pipe, CLASS 150, B/S with R.R. 1 pc.	Item Number		Description	n		Quantity	Total	Delivered, Weeks/Month
1 75mmØ x 6.00m PVC Pipe, CLASS 150, B/S with R.R. 2 75mmØ x 50mmØ PVC Reducer, Class 150, B/S w/ R.R. 3 75mmØ x 35° PVC Bend, Class 150, B/S with R.R. 4 75mmØ x 22.2° PVC Bend, Class 150, B/S with R.R. 5 75mmØ x 12.2° PVC Bend, Class 150, B/S with R.R. 5 75mmØ x 13.2° PVC Bend, Class 150, B/S with R.R. 5 150mmØ x 6.00m PVC Pipe, Class 150, B/S with R.R. 6 150mmØ x 6.00m PVC Pipe, Class 150, B/S with R.R. 8 150mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 9 150mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 100mmØ x 75mmØ PVC Reducer, Class 150, B/S with R.R. 11 100mmØ x 6.00m PVC Pipe, CLASS 150, B/S with R.R. 12 100mmØ x 6.00m PVC Pipe, CLASS 150, B/S with R.R. 13 100mmØ x 6.00m PVC Pipe, CLASS 150, B/S with R.R. 14 1 100mmØ x 25° PVC Bend, Class 150, B/S with R.R. 15 100mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 16 10mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 17 10mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 18 10mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 19 pes. 10 10mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 11 10mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 12 100mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 13 R.R. 14 10mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 15 10mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 16 pes. 17 10mmØ x 12.25° PVC Bend, Class 150, B/S with R.R. 18 10mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 19 pes. 10 10mmØ x 12.25° PVC Bend, Class 150, B/S with R.R. 10 10mmØ x 12.25° PVC Bend, Class 150, B/S with R.R. 11 10mmØ x 12.25° PVC Bend, Class 150, B/S with R.R. 12 10mmØ x 12.25° PVC Bend, Class 150, B/S with R.R. 13 10mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 14 10mmØ x 12.25° PVC Bend, Class 150, B/S with R.R. 15 10 10 10 10 10 10 10 10 10 10 10 10 10		LOT NO.	2019-002					
2 R.R. 23 pcs. 3 pcs. 3 pcs. 3 pcs. 3 pcs. 45 pcs. 45 pcs. 45 pcs. 45 pcs. 45 pcs. 46 pcs. 45 pcs. 46		PR No. 19-0	0099					
R.R. 19c. 13 pcs. 13 pcs. 13 pcs. 13 pcs. 13 pcs. 15 pcmm@ x 12.25° PVC Bend, Class 150, B/S with R.R. 13 pcs. 15 pc	1	75mmØ x 6	.00m PVC Pipe, CLA	614 pcs.				
4 75mmØ x 12.5° PVC Bend, Class 150, B/S with R.R. 5 150mmØ x 12.5° PVC Bend, Class 150, B/S with R.R. 6 150mmØ x 4.600m PVC Pipe, Class 150, B/S with R.R. 7 150mmØ x 45° PVC Bend, Class 150, B/S with R.R. 8 150mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 150mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 17 100mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 18 100mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 19 100mmØ x 75mmØ PVC Reducer, Class 150, B/S with R.R. 100mmØ x 45° PVC Bend, Class 150, B/S with R.R. 11 100mmØ x 45° PVC Bend, Class 150, B/S with R.R. 12 100mmØ x 22.5° PVC Bend, Class 150, B/S with R.R. 13 100mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 14 100mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 15 100mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 16 10mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 17 10mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 18 10mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 19 pes. 10 10mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 10 10mmØ x 12.5° PVC Bend, Class 150, B/S with R.R. 11 10mmØ x 12.5° PVC Bend, Class 150, B/S with R.R. 12 10mmØ x 12.5° PVC Bend, Class 150, B/S with R.R. 13 10mmØ x 12.5° PVC Bend, Class 150, B/S with R.R. 14 10mmØ x 12.5° PVC Bend, Class 150, B/S with R.R. 15 pes. 10 pes. 10 pes. 10 pes. 11 pes. 12 length 12 pes. 12 pes. 12 pes. 12 pes. 12 pes. 12 length 12 pes. 12	2	Charles and the contract of th	50mmØ PVC Reduc	er, Class 15	0, B/S w/	1 pc.		
5 75mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 15 pcs.	3	75mmØ x 4	15° PVC Bend, Class	150, B/S wit	h R.R.	23 pcs.		
150mm@ x 6.00m PVC Pipe, Class 150, B/S with R.R. 3 pcs.	4	75mmØ x 2	2.5° PVC Bend, Clas	s 150, B/S w	ith R.R.	13 pcs.		
7 150mmØ x 45° PVC Bend, Class 150, B/S with R.R. 150mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 19 pcs. 100mmØ x 75mmØ PVC Reducer, Class 150, B/S, w/ R.R. 728 length R.R. 100mmØ x 6.00m PVC Pipe, CLASS 150, B/S with R.R. 1100mmØ x 45° PVC Bend, Class 150, B/S with R.R. 11 pcs. 12 100mmØ x 22.5° PVC Bend, Class 150, B/S with R.R. 11 pcs. 12 100mmØ x 22.5° PVC Bend, Class 150, B/S with R.R. 103 pcs. 13	5	75mmØ x 1	1.25° PVC Bend, Cla	ss 150, B/S	with R.R.	15 pcs.		
8	6	150mmØ x	6.00m PVC Pipe, Cla	ass 150, B/S	with R.R.	500 pcs.		
8 R.R. 100mmØ x 75mmØ PVC Reducer, Class 150, B/S, w/ R.R. 100mmØ x 6.00m PVC Pipe, CLASS 150, B/S with R.R. 110mmØ x 45° PVC Bend, Class 150, B/S with R.R. 11 pcs. 12 100mmØ x 22.5° PVC Bend, Class 150, B/S with R.R. 15 pcs. 100mmØ x 21.25° PVC Bend, Class 150, B/S with R.R. 100mmØ x 22.5° PVC Bend, Class 150, B/S with R.R. 100mmØ x 21.25° PVC Bend, Class 150, B/S with R.R. 103 pcs. 100mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 103 pcs. 100mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 103 pcs. 100mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 103 pcs. 100mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 103 pcs. 100mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 103 pcs. 100mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 103 pcs. 100mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 103 pcs. 100mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 103 pcs. 100mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 103 pcs. 100mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 103 pcs. 100mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 110pcs. 100mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 110pcs. 110mmØ x 110pcs. 110pcs. 110mmØ x 110pcs. 110mmØ x 110pcs. 110p	7	150mmØ x	45° PVC Bend, Class	150, B/S w	ith R.R.	3 pcs.		
9 R.R. 10 100mmØ x 6.00m PVC Pipe, CLASS 150, B/S with R.R. 11 100mmØ x 45° PVC Bend, Class 150, B/S with R.R. 12 100mmØ x 22.5° PVC Bend, Class 150, B/S with R.R. 13 100mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 14 100mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 15 100mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 16 R.R. 17 100mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 18 103 pcs. 19 103 pcs. 10 104 pcs. 10 105 pcs. 10 105 pcs. 10 106 pcs. 10 107 pcs. 10 108 pcs. 10 108 pcs. 10 109 pcs. 10 109 pcs. 11 109 pcs. 12 109 pcs. 13 109 pcs. 14 109 pcs. 15 109 pcs. 16 109 pcs. 17 109 pcs. 18 109 pcs. 19 109 pcs. 10 100 pcs. 11 109 pcs. 1	8	A. C.	11.25° PVC Bend,	Class 150,	B/S with	19 pcs.		
11 100mmØ x 45° PVC Bend, Class 150, B/S with R.R. 11 pcs. 12 100mmØ x 22.5° PVC Bend, Class 150, B/S with R.R. 156 pcs. 13 100mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 103 pcs. Pipes shall be marked (engraved) with the following information: i. Manufacturer's Name (For easier identification who manufactured the pipe) ii. Brand (For future quality evaluation) iii. Nominal outside diameter, SDR Rating & Pressure Rating (For easier determination of correct wall thickness during inspections) iv. Batch number (For information on mfg. batch in case of pipe failure) v. Year manufactured (For ready reference of pipe age) vi. The word "WATER" at intervals not more than 1-meter apart vii. White engraved markings ≤0.15mm for wall thickness of 12mm and ≤0.30mm for wall thickness > 12mm Nominal/Diameter (inside diameter) for all items Material testing in accordance to Bureau of Product Standard (BPS). Random testing of pipes during delivery, however testing fees incurred will be shouldered by the winning bidder. The pipes must be tested in any independent, DOST-accredited laboratory and should pass the standard set by DOST. The bidder is required to provide one (1) extra piece of Item Nos. 1, 6 & 10 upon delivery. PVC SPECIFICATIONS Nominal Size Diameter of Pipe Series 8 (Class 150) mm mm mm min max 50 63 3.6 4.16 63 75 4.3 4.93 75 90 5.2 5.92 100 110 6.3 7.13	9	1,706	75mmØ PVC Reduc	er, Class 15	0, B/S, w/	2 pcs.		
12 100mmØ x 22.5° PVC Bend, Class 150, B/S with R.R. 13 100mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. 103 pcs. Pipes shall be marked (engraved) with the following information: i. Manufacturer's Name (For easier identification who manufactured the pipe) ii. Brand (For future quality evaluation) iii. Nominal outside diameter, SDR Rating & Pressure Rating (For easier determination of correct wall thickness during inspections) iv. Batch number (For information on mfg. batch in case of pipe failure) v. Year manufactured (For ready reference of pipe age) vi. The word "WATER" at intervals not more than 1-meter apart vii. White engraved markings ≤0.15mm for wall thickness of 12mm and ≤0.30mm for wall thickness of 12mm and ≤0.30mm for wall thickness ≤ 12mm Nominal/Diameter (inside diameter) for all items Material testing in accordance to Bureau of Product Standard (BPS). Random testing of pipes during delivery, however testing fees incurred will be shouldered by the winning bidder. The pipes must be tested in any independent, DOST-accredited laboratory and should pass the standard set by DOST. The bidder is required to provide one (1) extra piece of Item Nos. 1, 6 & 10 upon delivery. PVC SPECIFICATIONS Nominal Outside Wall Thickness-mm Size Diameter of Pipe Series 8 (Class 150) mm mm min max 50 63 3.6 4.16 63 75 4.3 4.93 75 90 5.2 5.92 100 110 6.3 7.13 150 160 9.2 10.32	10	A Committee of the control of the co	6.00m PVC Pipe,	CLASS 150,	B/S with	728 length		
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13 100mmØ x 11.25° PVC Bend, Class 150, B/S with R.R. Pipes shall be marked (engraved) with the following information: i. Manufacturer's Name (For easier identification who manufactured the pipe) ii. Brand (For future quality evaluation) iii. Nominal outside diameter, SDR Rating & Pressure Rating (For easier determination of correct wall thickness during inspections) iv. Batch number (For information on mfg. batch in case of pipe failure) v. Year manufactured (For ready reference of pipe age) vi. The word "WATER" at intervals not more than 1-meter apart vii. White engraved markings ≤0.15mm for wall thickness of 12mm and ≤0.30mm for wall thickness > 12mm Nominal/Diameter (inside diameter) for all items Material testing in accordance to Bureau of Product Standard (BPS). Random testing of pipes during delivery, however testing fees incurred will be shouldered by the winning bidder. The pipes must be tested in any independent, DOST-accredited laboratory and should pass the standard set by DOST. The bidder is required to provide one (1) extra piece of Item Nos. 1, 6 & 10 upon delivery. PVC SPECIFICATIONS Nominal Outside Size Diameter of Pipe Series 8 (Class 150) mm mm mm min max 50 63 3.6 4.16 63 75 4.3 4.93 75 90 5.2 5.92 100 110 6.3 7.13 150 160 9.2 10.32	12							
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iv. Batch number (For information on mfg. batch in case of pipe failure) v. Year manufactured (For ready reference of pipe age) vi. The word "WATER" at intervals not more than 1-meter apart vii. White engraved markings ≤0.15mm for wall thickness of 12mm and ≤0.30mm for wall thickness > 12mm Nominal/Diameter (inside diameter) for all items Material testing in accordance to Bureau of Product Standard (BPS). Random testing of pipes during delivery, however testing fees incurred will be shouldered by the winning bidder. The pipes must be tested in any independent, DOST-accredited laboratory and should pass the standard set by DOST. The bidder is required to provide one (1) extra piece of Item Nos. 1, 6 & 10 upon delivery. PVC SPECIFICATIONS Nominal Outside Wall Thickness-mm Size Diameter of Pipe Series 8 (Class 150) mm mm min max 50 63 3.6 4.16 63 75 4.3 4.93 75 90 5.2 5.92 100 110 6.3 7.13 150 160 9.2 10.32					of correct			1
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63 75 4.3 4.93 75 90 5.2 5.92 100 110 6.3 7.13 150 160 9.2 10.32								
75 90 5.2 5.92 100 110 6.3 7.13 150 160 9.2 10.32				77.8				
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150 160 9.2 10.32		75	90	5.2	5.92			
		100	110	6.3	7.13			
200 225 12.9 14.39		150	160	9.2	10.32			
		200	225	12.9	14.39			
250 280 16.0 17.39		250	280	16.0	17.39			
300 315 18.0 20.00		300	315	18.0	20.00			

	350	355	20.3	22.53		
	Period of Deli	ivery: 60 calend				
	Notice to Pro	ceed (NTP)				
	PR No. 19-012	25				
1	100mmØ x 1 R.R.	.1.25° PVC Ben	11 pcs.			
2	100mmØ x 22	2.5° PVC Bend, C	lass 150, B/S	with R.R.	9 pcs.	
3	100mmØ x 45	o PVC Bend, Cla	ss 150, B/S w	ith R.R.	8 pcs.	
4	100mmØ x 6 R.R.	.00m PVC Pipe	e, CLASS 150,	B/S with	205 length	
5	150mmØ x 6 R.R.	i.00m PVC Pipe	e, CLASS 150,	B/S with	7 length	
6		25° PVC Bend, C			5 pcs.	
7		5° PVC Bend, Cl			1 pc.	
8	75mmØ x 45°	PVC Bend, Clas	s 150, B/S wit	th R.R.	7 pcs.	
9		0m PVC Pipe, Cl			79 length	
10		2.5° PVC Bend, C			1 pc.	
11	100mmØ x 45	5° PVC Bend, Cla	iss 150, B/S w	rith R.R.	6 pcs.	
12	100mmØ x 6 R.R.	i.00m PVC Pipe	e, CLASS 150,	B/S with	62 length	
	SPECIFICATIO	NS:				
	Pipes shall be information:	marked (engra				
	i. Manufactur	er's Name				
	ii. Brand					
	iii. Nominal Pressure ratir	outside diam	F			
	iv. Batch Num	nber				
	v. Year Manu	factured				
	vi. The word meter apart	"WATER" at into				
	vii. White en	ngraved markir .2mm				
	Period of Del Notice to Pro	ivery: 45 calend ceed (NTP)				
		Delivery: ZCW asonanca, Z.C.				

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Technical Specifications

Item	Specification		Statement of Compliance
Item			Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of ITB Clause 3.1(a)(ii) and/or GCC Clause 2.1(a)(ii).
Item	Description	Quantity	
No.	LOT NO. 2019-002		
	PR No. 19-0099		
1	75mmØ x 6.00m PVC Pipe, CLASS 150, B/S with R.R.	614 pcs.	
2	75mmØ x 50mmØ PVC Reducer, Class 150, B/S w/ R.R.	1 pc.	
3	75mmØ x 45° PVC Bend, Class 150, B/S with R.R.	23 pcs.	
4	75mmØ x 22.5° PVC Bend, Class 150, B/S with R.R.	13 pcs.	2.
5	75mmØ x 11.25° PVC Bend, Class 150, B/S with R.R.	15 pcs.	
6	150mmØ x 6.00m PVC Pipe, Class 150, B/S with R.R.	500 pcs.	
7	150mmØ x 45° PVC Bend, Class 150, B/S with R.R.	3 pcs.	
8	150mmØ x 11.25° PVC Bend, Class 150, B/S with R.R.	19 pcs.	

9	100mmØ x 7	5mmØ PVC Redu	cer, Class 150	D, B/S, w/ R.R.	2 pcs.	
10	100mmØ x 6	.00m PVC Pipe, Cl	LASS 150, B/	S with R.R.	728 length	
11	100mmØ x 4	5° PVC Bend, Clas	s 150, B/S w	ith R.R.	11 pcs.	
12	100mmØ x 22.5° PVC Bend, Class 150, B/S with R.R.				56 pcs.	
13	100mmØ x 11.25° PVC Bend, Class 150, B/S with R.R.				103 pcs.	
	Pipes shall I	be marked (engi	raved) with	the following	205 pcs.	
	information:					
	manufacture		easier iden			
	ii. Brand (For	future quality ev	aluation)			
	Rating (For	outside diamete easier determ ring inspections)	Na. o series construction			
	iv. Batch nur	nber (For informa	ation on mfg	. batch in case		
	v. Year manu	e) Ifactured (For rea	dy reference	of pipe age)		
		d "WATER" at in	- 0 FLORIS OCTOO STORES IN SECTO			
	meter apart	P(0. Annual Control of				
		engraved mark 12mm and ≤0.3				
	Nominal/Dia	meter (inside dia	meter) for a	ll items		
	Material tes Standard (BP	ting in accordances).	ice to Bure			
	bidder. The DOST-accred standard set		ested in any and shou			
	Item Nos. 1,	s required to pro 6 & 10 upon deliv		extra piece of		
	PVC SPECIFIC					
	Nominal Outside Diameter of		Wall Thickness-mm Series 8 (Class 150)			
		Pipe				
	50	mm 63	3.6	4.16		
			1 5000 1			
	63	75	4.3	4.93		
	75	90	5.2	5.92		
	100	110	6.3	7.13		
	150	160	9.2	10.32		
	200	225	12.9	14.39		
	250	280	16.0	17.39		
	300	315	18.0	20.00		
	350	355	20.3	22.53		
	PR No. 19-0125					
		0	ol 450 0/			
1	100mmØ x 1	1.25° PVC Bend, (Class 150, B/	S with R.R.	11 pcs.	

3	100mmØ x 45° PVC Bend, Class 150, B/S with R.R.	8 pcs.	
4	100mmØ x 6.00m PVC Pipe, CLASS 150, B/S with R.R.	205 length	
5	150mmØ x 6.00m PVC Pipe, CLASS 150, B/S with R.R.	7 length	
6	75mmØ x 11.25° PVC Bend, Class 150, B/S with R.R.	5 pcs.	
7	75mmØ x 22.5° PVC Bend, Class 150, B/S with R.R.	1 pc.	
8	75mmØ x 45° PVC Bend, Class 150, B/S with R.R.	7 pcs.	
9	75mmØ x 6.00m PVC Pipe, CLASS 150, B/S with R.R.	79 length	
10	100mmØ x 22.5° PVC Bend, Class 150, B/S with R.R.	1 pc.	
11	100mmØ x 45° PVC Bend, Class 150, B/S with R.R.	6 pcs.	
12	100mmØ x 6.00m PVC Pipe, CLASS 150, B/S with R.R.	62 length	
	SPECIFICATIONS:		
	Pipes shall be marked (engraved) with the following information:		
	i. Manufacturer's Name		
	ii. Brand		
	iii. Nominal outside diameter, SDR Rating & Pressure rating		
	iv. Batch Number		
	v. Year Manufactured		
	vi. The word "WATER" at intervals not more than 1-meter apart		
	vii. White engraved markings ≤0.15mm for wall thickness of 12mm		