

TWO BID e- TENDER DOCUMENT

Tender No : 19-1/2018-19/HOD/Engg. & Ser. Div./ Civil

**Annual Rate Contract of Sanitary items for day to day
maintenance work of Residential or Non- Residential
Quarters in FRI Campus for the year 2018-19**



2018 – 19

***Engineering & Ser. Division
Forest Research Institute
P.O. New Forest
Dehra Dun – 248 006***

FOREST RESEARCH INSTITUTE
(Indian Council of Forestry Research & Education)

P.O. New Forest, Dehra Dun - 248 006

Phone: 0135-2224288, 4273; Fax: 0135-2756865

Website: <http://fri.res.in> Email: headec@icfre.org

e-TENDER DOCUMENT

Tender No. : 19-1/2018-19/HOD/Engg. & Ser. Div./ Civil, dated 24-04-18

Events	Important date/time	Venue
Published Date	24-04-18 at 6.00 P.M.	CPP portal
Bid document download	24-04-18 at 6.05 P.M.	Central Public Procurement Portal (CPPP)
Bid submission start date	25-04-18 at 10.00 A.M.	CPP portal
Bid submission end date	17-05-18 at 3.00 P. M	CPP portal
Opening date of technical bids	18-05-18 at 3.00 P.M.	CPP portal
Opening date for financial bids	It will be decided after technical evaluation	CPP portal

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HEAD ENGINEERING & SERVICES DIVISION
FOREST RESEARCH INSTITUTE,
P.O. NEW FOREST, DEHRADUN.

Chapter-I
Notice Inviting Tenders
(National Competitive Bidding)

Forest Research Institute
(Indian Council of Forestry Research & Education)
Post- New Forest, Dehra Dun – 248006 Uttrakhand, India

Phone: 0135-2224288, 4273; Fax: 0135-2756865

Website: <http://fri.res.in> Email: headec@icfre.org

TENDER No. 19-1/2018-19/HOD/Engg. & Ser. Div./ Civil, dated 24-04-18

BIDDING DOCUMENT

Online Tenders are invited from the reputed firms for the purchase of Sanitary items under Annual Rate Contract for the year 2018-19:-

Item No.	Name of Miscellaneous items	Division/ Branch	Quantity Required
1.	As per chapter -7 Formulary of supply of sanitary items.	Engineering & Services Division	Annual Rate Contract for Sanitary items for the year 2018-19

The details of the above items and other Terms and Conditions, etc. are available in the Tender Documents. The tender forms and specifications are available at web site <http://www.fri.res.in> and **CPPP** site <https://eprocure.gov.in/eprocure/app>



HEAD
ENGINEERING & SER. DIVISION



Chapter -2: Check list

Certificates/Documents required to be submitted in the Bid

The prospective bidders have to submit the following certificates/documents invariably along- with Bid. If these documents are not submitted conditions not met, the quotation shall be summarily rejected and no further correspondence, in this regard, shall be entertained.

Tender No. 19-1/2018-19/HOD/Engg. & Ser. Div./ Elect.,

Date: 24-04-18

ENGINEERING & SER. DIVISION, FOREST RESEARCH INSTITUTE, DEHRADUN

Name of the bidder: _____

Address for Correspondence: _____

Phone & Fax No.: _____

Email Address: _____

Annexure "A" - TECHNICAL BID			
SL NO	Documents to be submitted	Document Enclosed YES/NO	If Yes, Mention The Page NO
1	Demand draft for Rs 590/= as Tender fee in favour of Director, FRI, Dehradun, payable at Dehradun		
2	The contractor can deposit original EMD of Rs. 30,000/- in favour of Director, FRI in the office of the Head Engineering & Ser. Division, FRI Dehradun within the period of bid submission. (The EMD document shall only be payable at Dehradun).		
3	Self attested Photo copy of GST Certificate & GST of Bidder and their supplier (if any).		
4	Self attested Photo copy of PAN of Bidder and their supplier (if any).		
5	The proof that the bidder either Dehradun based or have Local authorized suppliers.		
Annexure "B" - FINANCIAL BID AS PER BoQ			

Important Notice:

1. The bidder is required to arrange the tender documents as per Check List and must mention the page number against each column of the Check List.
2. All documents submitted online and physically must be numbered and signed by the bidder.
3. All documents submitted online and physically must be strictly in order as per check List

Special attention:

- 1 Before submission of online bids, bidder must ensure that scanned copies of all the necessary documents have been uploaded with the Bid and physically documents have been submitted.
- 2 Demand bank draft for Rs 590/- in favour of Director, FRI payable at Dehradun.
- 3 The contractor can deposit original EMD of **Rs. 30,000/-** in favour of Director, FRI payable at Dehradun in the office of the Head Engineering & Ser. Division, FRI Dehradun within the period of bid submission.

Signature of Bidder with Stamp

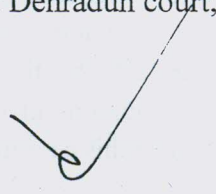
Chapter -4

TERMS & CONDITIONS FOR BIDDER

1. E-tender document shall be first downloaded from website. <http://www.fri.res.in> (for reference only) and CPPP site <https://eprocure.gov.in/eprocure/app>, as per above schedule and then tender document and related relevant documents attached as per Check list(Technical Bid) shall be duly filled in & signed and then properly scanned and finally uploaded by the bidder e-tendering procedure given in e-tender notice/document.
2. E-tender should be uploaded on the basis of two bid system, "Technical Bid" and "Financial Bid" in their respective format separately.
3. The bidder shall ensure that the e-tender is positively uploaded on website <https://eprocure.gov.in/eprocure/app>, on or before 17-05-18 at 3:00 p.m. Forest Research Institute will not be responsible for any delay in uploading of tender due to failure of internet or any related fault. The date of opening of technical bid is 18-05-18 at 3:00 p.m.
4. The bidder shall ensure that the Technical Bid documents as per Check List of Chapter-2 to submitted online on or before 17-05-18 at 3:00PM.
5. The e-tender document should be signed only by a person to whom the power is delegated by the competent authority and who is authorized in the name and on behalf of company/ firm to do so and become a party.
6. In case, the date of opening of e-tender is declared a public holiday, the e-tender shall be opened on the next working day at the same time.
7. Financial Bid duly filled as per "BOQ" format separately on website <https://eprocure.gov.in/eprocure/app>, by the bidder. It should not be disclosed.
8. GST tax shall be payable as per Govt. rules and Form-'16' (Road Permit) shall be issued by the department on written request of the manufacturer or their authorized supplier.
9. Conditional offer shall not be entertained.
10. GST Registration certificate should be available with the Bidder and supplier. Bidder and supplier shall also submit a certificate on the organization letter head stating that up-to-date returns have been filed there are no dues with the concerned department.
11. **Financial Bid should have as per BOQ & accordance in serial as per chapter -6 of tender document** and should mentioned_MRP, Store of Engineering & Ser. Division supply rates applicable to this Institute and the other taxes as applicable (this should clearly indicate the nature and the amount of the tax in terms of percentage).
12. The list of product should include contents/ingredients of the product is mandatory to submits online with Technical Bid.
13. The bidder must be having a supplier within the Dehradun City, Uttarakhand State, through which he will make the supply of sanitary items to civil Store of Engineering & Services Division, FRI.
14. The rate must be quoted both in figures and words and over writing should be avoided however all cutting/corrections must be dully authenticated, in case of any difference between the rates quoted in figures and words, the rates quoted in words shall be considered to be correct

15. The rates quoted should include transportation cost up to Engineering & Ser. Division, FRI, Dehradun clearly mentioning the percentage/rate of GST or all other taxes and duties inclusive and rates should be valid up to 31st March 2019.
16. After the rates quoted by the bidder are accepted and the contract is executed, Order/orders shall be placed under this contract to the authorized supplier.
17. The bidder will assure that the supply is carried out without a break for the entire period of the contract.
18. While uploading the financial bid, the bidder shall give an undertaking mention in Chapter 3 of tender document against which the rates are being given. In case, the bidder does not give this undertaking their rates will not be considered
19. If the bidder has an authorized supplier of any item on behalf of the bidder, the certificate to this effect should be attached with all required documents as mentioned in Chapter-2.
20. The Institute would place the order as per the quoted rates directly to the authorized Supplier if they have any for execution of supply order with in Uttarakhand state.
21. For every dispatch of materials under this agreement dispatch advice and invoice (in duplicate) will be sent by the supplier to the consignee(s) directly.
22. The firm will ensure availability of all materials at all time. The whole supply as per order shall have to be completed within the time mentioned in supply order. In case the firm fails to supply the ordered materials and other materials, the Institute shall have the right to accept or reject quantity or goods ordered and a penalty will be imposed which has to be decided on the merit of the complaint by the Competent Authority.
23. Supplier had to supply the sanitary items within 07 days of placing the order **otherwise he will be declared defaulter and barred from subsequent rate contract.**
24. Supplies out of any one lot not acceptable and rejected by the consignee because of being of inferior quality shall be replaced with the materials of proper and acceptable quality at his own cost and risk within 30 days of receipt of notice to that effect.
25. In case of the supplies made in any subsequent lot by the same supplier is also found to be sub standard & is rejected by the consignee, the supplier shall be taken to black list for next 3 years & his security money lying with the department shall be forfeited.
26. Payment will be made on receipt of material and after it has been checked with regard to quality and quantity of the material supplied on submission of pre receipted bill by the firm within 30 days.
27. The quantity of building materials to be purchased may vary as per demand of the Engineering & Services Division at the time of placing order.
28. Only wanted documents as per check list are required to be attached in desired order of check list.
29. The tender must have the index of all the documents enclosed for easy assessment of tender.
30. To facilitate the processing of your quoted rates kindly furnish the required certificate as per the format given on Chapter-3 of tender document and in the order mentioned their in.
31. The e-tender is liable to be ignored if complete information/certificates are no attached/uploaded therein. Please note that conditions given in the e-tender documents shall govern the contract. It may please be noted carefully that till such time that a fresh agreement is drawn up embodying the agreed conditions, the conditions given in the e-tender document shall govern the contract. The tendering firms should note this carefully.



32. The Director Forest Research Institute, Dehradun reserves the right to Quash/Reject all or any of the tenders, or to split up the contract without assigning any reason and in suppression of any of the conditions given herein or after.
33. No commitments to accept lowest or any tender: FOREST RESEARCH INSTITUTE shall be under no obligation to accept the lowest or any other quotation received in response to this tender enquiry and shall be entitled to reject any or all offers including those received late or incomplete offers without assigning any reason whatsoever.
34. Tender which do not fulfill any or all of the above conditions or incomplete, are liable for rejection.
35. The Forest Research Institute may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the bidder terminate the Contract in whole or part:
- (a) If the bidder fails to provide any or all of the services within the period(s) specified in the Contract
 - (b) If the bidder fails to perform any obligation(s) under the Contract
 - (c) If the bidder, in the judgment of the FRI has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.
36. The bidder shall indemnify the Institute against all actions, suits, claims and demands brought or made against it in respect of anything done or committed to be done by the bidder in execution of or in connection with the work of this contract and against any loss or damage to the Institution in consequence to any action or suit being brought against the bidder for anything done or committed to be done in the execution of this contract. The bidder will abide by the job, safety measures prevalent in India and will free the Institution from all demands or responsibilities arising from accidents or loss of life, the cause of which is the bidder's negligence. The bidder will pay all indemnities arising from such incidents without any extra cost to Institution and will not hold the Institution responsible or obligated. FRI may at its discretion and entirely at the cost of the bidder defend such suit, either jointly with the bidder or single in the case the latter chooses not to defend the case.
37. Resolution of Disputes: All disagreements, disputes, difference that may arise between the FRI and the Bidder/Supplier which cannot be resolved through mutual negotiations shall be referred to an Arbitrator appointed in accordance with the provisions of relevant Indian Law. The venue of the proceedings and arbitration shall be Dehradun.
38. Dispute, if any, will be under jurisdiction of Dehradun court, Uttarakhand, India.
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Chapter-5

Guidelines & Instruction to Bidders

Bids shall be submitted online only at CPPP website: <https://eprocure.gov.in/eprocure/app>. Bidder are advised to follow the instructions provided in the "Instructions to the Bidder for the e-submission of the bids online through the Central Public procurement Portal for e-Procurement at <https://eprocure.gov.in/eprocure/app>

Not more than one tender shall be submitted by one bidder having business relationship. Under no circumstance will father and his sons(s) or other close relations who have business relationship with one another (i.e when one or more partner(s)/director(s) are common) be allowed to tender for the same contract as separate competitors. A breach of this condition will render the tenders of both parties liable to rejection.

Bidder who has downloaded the tender from the <http://www.fri.res.in> and Central Public procurement Portal (CPPP) website <https://eprocure.gov.in/eprocure/app>, **shall not temper/modify the tender form including downloaded price bid template in any manner.** In case if the same is found to be tempered/modified in any manner, tender will be completely rejected and bidder is liable to be banned from doing business with FRI.

Intending bidders are advised to visit FRI website <http://www.fri.res.in> and CPPP website <https://eprocure.gov.in/eprocure/app> regularly for any corrigendum / addendum / amendment.

Bids will be opened as per date/time as mentioned in the Tender Critical Date Sheet.

Submission of Tender

Online bids are to be submitted under two bid systems i.e. **Cover 1 and Cover 2**. All the pages of bid being submitted online must be signed and sequentially numbered by the bidder irrespective of nature of content of the documents before uploading.

The offers submitted by Fax/email/offline shall not be considered. No correspondence will be entertained in this matter.

Cover 1: Technical Bid

Qualifying documents should be uploaded in CPPP website: <https://eprocure.gov.in/eprocure/app>). The mention in Chapter-1 of tender documents are to be furnished by the Bidder, as qualifying bid, as signed and scanned copy in pdf format upload in CPP portal.

1. **Tender fee:**-The tender form downloaded from above web sites must include Rs.590/- (including 18% GST) by crossed Demand Draft in favour of Director, Forest Research Institute, Dehradun payable at Dehradun as tender fee along with the tenders physically submitted and the scanned copy of the same should be uploaded in the CPP Portal. It is non-refundable. The hard copy of the same must be received on or before last date/ time of opening of bid.

In absence of scanned and signed copy of required qualifying documents the tender would be considered as invalid.

Cover 2: Price Bid

- (a) The financial proposal must be submitted in the Schedule of price bid in the form of BoQ1.xls separate for each item. Full details of business terms and conditions, if any, the validity period of quotation or any other information relevant to the services may please be indicated clearly.
- (b) Price bid undertaking

Proposal Evaluation: A two-stage procedure will be adopted in evaluating the proposals.

- (i) Checking of qualifying documents. First of all, the qualifying documents will be checked. If absence of any of qualifying documents, the bid will be rejected.
- (ii) A financial evaluation. On the bases of lowest one (L-1)

Instructions for Bidders: -

- (a) The rates quoted in BoQ only will be considered and in no case any other rates shall be entertained.
- (b) Bidders are advised to study the tender document carefully. Submission of bids shall be deemed to have been done after careful study and examination of the tender document with full understanding of its implications.
- (c) Any clarifications from FRI or any changes in requirement, will be posted on CPP portal and FRI website. Hence before submitting the bids, bidders must ensure that such clarifications/changes have been considered by them. FRI will not have any responsibility in case some omission is done by any bidders.

NOTE FRI shall not be responsible for non-receipt/non-delivery/late delivery of the bid documents due to any reason whatsoever.



Chapter -6


Schedule of price bid in the form of BoQ1.xls

The below mentioned Financial Proposal/Commercial bid format is provided as BoQ_1.xls along with this tender document at <https://eprocure.gov.in/epublish/app>. Bidders are advised to download at this BoQ_1.xls as it is and quote their offer/rates in the permitted column and upload the same in the commercial bid. **Bidder shall not tamper/modify downloaded price bid template in any manner.** In case if the same is found to be tempered/modified in any manner, tender will be completely rejected and tenderer is liable to be banned from doing business with Forest Research Institute.

SI No (as per chapter-7)	Generic Name of Sanitary items (as per chapter-7 under Nomenclature)	Name of Bidder	Unit/each	MRP (Rs)	Unit Price (Rs.) Prices should be quoted in BoQ
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1. The rates will be inclusive of GST and all other taxes.
2. In case of any discrepancy/difference in the amounts indicated in figures and words the amount in words will prevail and will be considered.
3. The quoted rates shall remain firm throughout the tenure of the contract and no revision is permissible for any reason.

Authorized Signatory
(Signature of the Authorized Person)



Chapter -7

FORMULARY OF SANITARY ITEMS FOR THE YEAR 2018-19

Sl. No.	Description of the items	Units	Rate (in Rs.)	Amount (in Rs.)
1	White Vitreous W.C. Seat of Orissa Pattern size 580 x 440mm Including P. Trap Hindustan	Nos.		
1.1	English W.C. Seat P. Trap	Nos.		
1.2	English W.C. Seat s. Trap	Nos.		
2	Wash Basin size 550 x 400 mm	Nos.		
3	PVC Waste pipe for flexible pipe for wash basin sink 32 mm dia. and 40 mm dia.	Nos.		
4	PVC connection 15 mm Nominal Bore 45 cm long with Brass Union	Nos.		
5	Bib cock brass 15 mm dia. 250 gm. Weight	Nos.		
5.1	Stop cock brass 15mm dia. 250 gm weight	Nos.		
5.2	Bib cock PVC 15 mm dia.	Nos.		
5.3	Spray Painted Cast Iron Bib Cock 480 gm	Nos.		
5.4	Stop cock Cast Iron 480 gm	Nos.		
5.5	Gate Valve (Brass) 15 mm dia. (Heavy Duty ISI)	Nos.		
5.6	Gate Valve (Brass) 20 mm dia. (Heavy Duty ISI)	Nos.		
5.7	Gate Valve (Brass) 25 mm dia. (Heavy Duty ISI)	Nos.		
6	GI Pipe (Jindal Make)			
6.1	15 mm Nominal Bore	Sqft.		
6.2	20 mm Nominal Bore	Sqft.		
6.3	25 mm Nominal Bore	Sqft.		
7	GI Union (Jindal Make)			
7.1	15 mm dia.	Nos.		
7.2	20 mm dia.	Nos.		
7.3	25 mm dia.	Nos.		
8	GI Tee (Jindal Make)			
8.1	15 mm dia.	Nos.		
8.2	20 mm dia.	Nos.		
8.3	25 mm dia.	Nos.		
9	GI Elbow (Jindal Make)			
9.1	15 mm dia.	Nos.		
9.2	20 mm dia.	Nos.		
9.3	25 mm dia.	Nos.		
10	GI Reduce Elbow (Jindal Make)			

10.1	20x15 mm	Nos.		
10.2	25x20 mm	Nos.		
10.3	25x15 mm	Nos.		
11	GI Long Screw			
11.1	15 mm dia.	Nos.		
11.2	20 mm dia.	Nos.		
11.3	25 mm dia.	Nos.		
12	GI Nipple 1/2" to 6" Long Equal Nos.			
12.1	15 mm dia.	Nos.		
12.2	20 mm dia.	Nos.		
12.3	25 mm dia.	Nos.		
13	Spindle 15 mm dia.			
13.1	100 mm Long	Nos.		
13.2	50 mm Long	Nos.		
14	Jumping Valve			
14.1	15 mm dia.	Nos.		
14.2	20 mm dia.	Nos.		
15	Ball Valve with Polythe Flort complete set			
15.1	15 mm dia.	Nos.		
15.2	20 mm dia.	Nos.		
15.3	25 mm dia.	Nos.		
15.4	Cistern Ball cock set PVC	Nos.		
16	GI Plug			
16.1	15 mm dia.	Nos.		
16.2	20 mm dia.	Nos.		
17	GI Socket (Reducing) Jindal Make			
17.1	20 mm to 15 mm	Nos.		
17.2	25 mm to 15 mm	Nos.		
17.3	25 mm to 20 mm	Nos.		
18	GI Tee (Reducing) Jindal Make			
18.1	20 mm to 15 mm	Nos.		
18.2	25 mm to 15 mm	Nos.		
18.3	25 mm to 20 mm	Nos.		
19	C.P. Waste			
19.1	32 mm dia.	Nos.		
19.2	40 mm dia.	Nos.		
19.3	50 mm dia.	Nos.		
20	Lead (1 kg, 2 Kg Pices)	Kg		
21	GI Socket Jindal Make			
21.1	15 mm dia.	Nos.		
21.2	20 mm dia.	Nos.		
21.3	25 mm dia.	Nos.		
22	Coupler (PVC)			

22.1	50 mm dia.	Nos.		
23	Soot Gola	Nos.		
24	Pipe Hook	Kg		
25	Polythene Water Storage Tank with Cover and suitable Locking arrangement Sintex/Renu Brand			
25.1	300 Ltr.	Nos.		
25.2	500 Ltr.	Nos.		
25.3	1000 Ltr.	Nos.		
26	Kitchen Sink (White Vitreous) Hindustan	Nos.		
27	Pillar Cock CERA/Nandi	Nos.		
28	C.P. Angle Cock CERA/Nandi	Nos.		
28.1	CP Bib cock	Nos.		
28.2	CP Bib cock Long body	Nos.		
28.3	CP Bib cock (2 in 1)	Nos.		
28.4	CP Angle cock (2 in 1)	Nos.		
28.5	CP Health Faucet complete	Nos.		
28.6	CP Telephone shower.	Nos.		
28.7	CP Extension pieces. (different sizes)	Nos.		
28.8	CP push cock	Nos.		
29	PVC Cistem Hindustan			
29.1	10 Ltr. Cap. Low Level	Nos.		
30	Blade Haxsaw	Nos.		
31	PVC Pipe 4" White Supreme/Surya	Rft.		
31.1	PVC Pipe 3" White Supreme/Surya	Rft.		
31.2	PVC Pipe 2" White Supreme/Surya	Rft.		
32	W.C. Seat Cover (White) Supreme/Kene Star	Nos.		
32.1	W.C. Seat Cover (Black) Supreme/Kene Star	Nos.		
33	PVC Ball	Nos.		
34	Ball cock Rod	Nos.		
35	Low down cistern wash set complete	Nos.		
36	Low down cistern Handle (complete)	Nos.		
37	Cistern handle PVC	Nos.		
38	Cup Washer	Nos.		
39	PVC Washer	Pkt.		
40	Tank Nipple 15 mm	Nos.		
40.1	Tank Nipple 20 mm	Nos.		
41	PVC Tank Cover 200 Ltr.	Nos.		
41.1	PVC Tank Cover 300 Ltr.	Nos.		
41.2	PVC Tank Cover 500 Ltr.	Nos.		
42	PVC Socket 2"	Nos.		

42.1,	PVC Socket 3"	Nos.		
42.2	PVC Socket 4"	Nos.		
43	PVC Elbow 2"	Nos.		
43.1	PVC Elbow 3"	Nos.		
43.2	PVC Elbow 4"	Nos.		
44	PVC Tee 2"	Nos.		
44.1	PVC Tee 3"	Nos.		
44.2	PVC Tee 4"	Nos.		
45	Wash Basin with a single tape 450 x 300 Hindustan	Nos.		
46	PVC Long Band	Nos.		
47	Wire Brush	Nos.		
49	Main Line Clamp 3" and 4"	Nos.		
50	Looking Mirror size 500 x 400	Nos.		
51	Jute Brush	Nos.		
52	PVC Small Band	Nos.		
53	Wash Basin Bracket	Nos. Pair		
54	C.P. Sawyer Ordinary	Nos.		
55	C.P. Sawyer Superior	Nos.		
56	NR Valve 1/2" Heavy Duty ISI	Nos.		
57	NR Valve 1" Heavy Duty ISI	Nos.		
58	NR Valve 3/4" Heavy Duty ISI	Nos.		
59	CP Jali 3"	Nos.		
60	CP Jali 4"	Nos.		
61	Cistern चुटकी	Nos.		
62	Cistern Hook	Nos.		
63	CI Jali 6 x 6"	Nos.		
64	CP Towel Rail size 600 mm Long	Nos.		
65	Paper Roll	Nos.		
66	Spunyar	Kg		
67	GI Pipe 1 1/4"	Mtr.		
68	GI Pipe 1 1/2"	Mtr.		
69	GI Pipe 2"	Mtr.		
70	Tee 1 1/4"	Nos.		
71	Tee 1 1/2"	Nos.		
72	Tee 2"	Nos.		
73	Socket 1 1/4"	Nos.		
74	Socket 1 1/2"	Nos.		
75	Socket 2"	Nos.		
76	Nipple 1 1/4"	Nos.		

77	Nipple 1½"	Nos.		
78	Nipple 2"	Nos.		
79	Elbow 1¼"	Nos.		
80	Elbow 1½"	Nos.		
81	Elbow 2"	Nos.		
82	Gate valve 1¼"	Nos.		
83	Gate valve 1½"	Nos.		
84	Gate valve 2"	Nos.		
85	Union 1¼"	Nos.		
86	Union 1½"	Nos.		
87	Union 2"	Nos.		
88	Reducer 1¼" x 1½"	Nos.		
89	Reducer 1½" x 2"	Nos.		
90	Mixture leg	Nos.		
91	Mixture Wash Basin	Nos.		
92	C.P. Connection	Nos.		
93	Flexible PVC Waste Pipe	Meter		
94	Sink PVC Waste 1¼"	Nos.		
95	Sink PVC Waste 1½"	Nos.		
96	Sink PVC Waste 2"	Nos.		
97	Z Sawyer Complete	Nos.		
98	PVC Angle Cock	Nos.		
99	PVC Stop Cock	Nos.		
100	PVC Pillar Cock	Nos.		
101	Geyser Connection 15mm 18" Long	Nos.		
102	Ball Valve 1/2"	Nos.		
103	Ball Valve 3/4"	Nos.		
104	Ball Valve 1"	Nos.		
105	CP Waste sink 2"	Nos.		
106	CP Waste sink 4"	Nos.		
107	Mixture CP Legs	Nos.		
108	Mixture CP Legs with nuts	Nos.		
109	SWR pipe PVC			
109.1	75 mm	Sqft		
109.2	100 mm	Sqft		