



**NATIONAL GOVERNMENT
CONSTITUENCIES
DEVELOPMENT FUND
OLKALOU CONSITITUENCY
PO BOX 402-20303
OLKALOU**

**PRE-QUALIFICATION OF SUPPLIERS FOR GOODS, WORKS AND
SERVICES FOR THE FINANCIAL YEAR
2023-2025**

Tender No. : NYA/T/OLK NGCDF/16//2023-2025

Tender Description : Prequalification for BodaBoda riders training, Vehicle drivers and licences processing.

If Special Group Please Indicate Below: (√)

Women

Youth

Persons With Disabilities

INVITATION FOR PREQUALIFICATION (IFQ)
BIDDERS SHOULD READ THESE INSTRUCTIONS CAREFULLY

The (**National Government Constituencies Development Fund Olkalou Consituency**) hereinafter referred as “Procuring entity” intended to prequalify candidates for the following (supply and delivery of goods, works services. Prequalification is open to interested candidates

2) Eligible candidates are free to make enquiries about the prequalification documents from **National Government Constituencies Development Fund Olkalou Consituency, P.O. BOX 402-20303, OL KALOU** from the supply chain management office during normal working hours.

GENERAL INSTRUCTIONS

- 1) You are requested to provide particulars as indicated in part II, III, IV, V and VI of this form as accurately as possible and where space provided is not sufficient, please use a separate sheet of paper and attach to this form.
- 2) The Procuring entity attaches great importance to correct information given. If the information given is found to be incorrect in any respect, the applicant shall be rendered ineligible for registration/deregistered.
- 3) All the information provided would be treated as confidential.
- 4) This Prequalification Document is eligible for one Item Code which should be clearly written at the top of the form.
- 5) Please note that by responding to this document you accept that all the answers provided are legally binding and should the need arise, may be used as evidence in a court of law. Further the Procuring entity reserves the right to visit and inspect business premises of all the applicants to verify information provided
- 6) Applicants to kindly note that this does not amount to any contractual obligation on the part of the procuring entity, and that the procuring entity is not obliged to invite tenders/quotations from any or all who express interest by responding to this pre qualification process.
- 7) The document shall be prepared in indelible ink. It shall contain no interlineations or overwriting, except as necessary to correct errors made by the applicant. Any such corrections must be initialed by the person(s) who sign(s) the document.
- 8) Your prequalification documents should be submitted **properly bound, filled and page numbered**. The Procuring entity **shall not** be responsible for Loss of documents not bound (loose).
- 9) Applications received after the closing date and time shall be rejected and returned to the applicant unopened

1. PRE-QUALIFICATION INSTRUCTIONS

1.1 Introduction

Prequalification is open to interested candidates

1.2 Pre-qualification Objective

The main objective is to supply and deliver assorted items and also provide services under relevant tenders/quotations to the County on **as and when** required during the stated period.

1.3 Invitation of Pre-qualification

Suppliers registered with Registrar of Companies under the Laws of Kenya in respective merchandise or services are invited to submit their Pre-Qualification documents to the County Commissioner-Nyandarua County so that they may be pre-qualified for submission of quotations. Bids will be submitted in complete lots singly or in combination.

The prospective suppliers are required to supply mandatory information for prequalification.

1.4 Experience

Prospective suppliers and contractors must have carried out successful supply and delivery of similar items/services to Government/Corporation/ institutions of similar size. Potential Suppliers/contractors must demonstrate the willingness and commitment to meet the prequalification criteria.

Note:

1. The Procuring entity may waive some of the conditions in this document in line with the Public Procurement and Disposal rules and Regulations.
2. Special Group firms (registered with AGPO) will be treated in accordance with the Public Procurement and Disposal (Preference and Reservation) Regulations, 2013

1.5 Pre-qualification Document

This document includes questionnaire forms and documents required of prospective suppliers.

1.6 In order to be considered for pre-qualification, prospective suppliers must submit all the information herein requested.

1.7 Distribution of Pre-qualification Documents

A copy of the completed pre-qualification data and other requested information shall be submitted to reach:

FUND ACCOUNT MANAGER

OLKALOU NG-CDF

P.O BOX 402-20303

OLKALOU

Not later than **22nd June 2023 at 10:00am.**

1.8 Questions Arising from Documents

Questions that may arise from the pre-qualification documents should be directed to the the above address.

1.9 Additional Information

The Procuring entity reserves the right to request submission of additional information from prospective bidders.

1.10 Request for quotations will be made available only to those bidders whose qualifications are accepted by the Procuring entity.

2. BRIEF CONTRACT REGULATIONS/GUIDELINES

2.1 Taxes on Imported Materials

The Supplier shall pay custom duty, VAT and all other taxes as required by the law.

2.2 Customs Clearance

The contractors shall be responsible for custom clearance of their imported goods and materials.

2.3 Contract Price

The contract shall be of unit price type or cumulative of computed unit price and quantities required. Quantities may increase or decrease as determined by demand on the authority of the County Commissioner or Tender Committee. Prices quoted should be inclusive of all delivery charges.

2.4 Payments

All local purchase shall be on credit of a minimum of thirty (30) days or as may be stipulated in the Contract Agreement.

3. PRE-QUALIFICATION DATA INSTRUCTIONS

3.1 Pre-qualification data forms

The attached questionnaire forms described as part II, III, IV, V and VI are to be completed by prospective suppliers/contractors who wish to be pre-qualified for submission of tender for the specific tender.

3.1.1 The pre-qualified application forms which are not filled out completely and submitted in the prescribed manner will not be considered. All the documents that form part of the proposal must be written in English and indelible ink.

3.2 Qualification

3.2.1 It is understood and agreed that the pre-qualification data on prospective bidders is to be used by the Procuring entity in determining, according to its sole judgment and discretion, the qualifications of prospective bidders to perform in respect to each tender item/category as described by the client.

3.2.2 Prospective bidders will not be considered qualified unless in the judgment of the County they possess capability, experience, qualified personnel available and suitability of equipment and net current assets or working capital sufficient to satisfactorily execute the contract for goods/services.

3.3 Essential Criteria for Pre-qualification (exempted for AGPO registered firms)

3.3.1 (a) Experience: Prospective bidders shall have at least one year experience in the supply of goods, and 2 years in the case of Consultancy services and allied items in case of potential supplier/contractor should show competence, willingness and capacity to service the contract. Professional consultants shall be required to have indemnity cover with reputable insurance Company.

(b) Prospective supplier requires special experience and capability to organize supply and delivery of items, or services at short notice.

(c) The Procuring entity reserves to request for additional qualification information as the tender/quotation stage to suit particular procurement.

3.3.2 Personnel

The Suppliers/Contractors/Consultants shall provide pertinent information to demonstrate that they have qualified staff to carry out the assignment.

3.3.3 Financial Condition (Exempted for AGPO registered firms)

The Supplier's financial condition will be determined by latest financial statement submitted with the prequalification documents . Potential suppliers/contractors will be prequalified on the satisfactory information given.

3.3.4 Special consideration will be given to the financial resources available as working capital, taking into account the amount of uncompleted orders on contract and now in progress.

Data to be filled/ provided on Part II. However, potential bidders should provide evidence of financial capability to execute the contract.

3.3.5 Past Performance (exempted for AGPO registered firms)

Past performance will be given due consideration in pre-qualifying bidders. Letter of reference from past customers should be included.

3.4 Statement

Application must include a sworn statement by the Tenderer on part VI ensuring the accuracy of the information given.

3.5 Withdrawal of Prequalification.

Should a condition arise between the time the firm is pre-qualified to bid and the bid opening date which could substantially change the performance and qualification of the bidder or the ability to perform such as but not limited to bankruptcy, change in ownership or new commitments, the County reserves the right to reject the tender from such a bidder even though they have been initially pre-qualified.

3.6 The firm must have a fixed Business Premise and must be registered in Kenya, with certificate of Registration, Incorporation/Memorandum and Articles of Association.

3.6.1 The firm must show proof that it has paid all its statutory obligations and have Valid Tax Compliance Certificate from the Kenya Revenue Authority.

4. PRE-QUALIFICATION EVALUATION CRITERIA MANDATORY REQUIREMENTS

Pre qualification will be based on meeting the minimum requirements to pass on criteria set as shown below

| NO | ITEM UNDER CONSIDERATION | Copy attached (TICK APPROPRIETLY) | Copy not attached (TICK APPROPRIETLY) |
|----|---|--------------------------------------|--|
| 1 | Copy of Certificate of Registration/Incorporation | | |
| 2 | Copy of Valid Tax Compliance Certificate | | |
| 3 | Single Business Permit from the county Government or certificate/letter of exemption for professional services from the county Government (AGPO registered firms are exempted). | | |
| 4 | Copy of PIN Certificate of Firm/company or individual. | | |
| 5 | Copy of VAT registration certificate | | |
| 6 | Evidence of registration from Ministry of Finance/ County Governments (for AGPO firms only) | | |
| 7 | Part II: Supplier qualification data <i>(must be filled accordingly)</i> | | |
| 8 | Part III: Financial Position. <i>(Provide and attach certified audited financial statements for the previous (latest) two years and/or bank statements for the last one year certified by the issuing bank as proof of ability to execute the items applied for.) (AGPO registered firms are exempted).</i> | | |
| 9 | Part IV: Business probity and litigation history <i>(must be filled accordingly)</i> | | |
| 10 | PART V: Anti-Corruption Pledge Form | | |
| 11 | Part VI: Sworn statement <i>(must be filled accordingly)</i> | | |

AGPO (Access to Government Procurement Opportunities) is for Youth, Women and Persons with disabilities

PART II:

SUPPLIER PREQUALIFICATION DATA

| | | |
|---|--|--|
| 1 | Name of Organization/Business /Company | |
| 2 | Postal Address | P.O Box.....Code..... Town..... |
| 3 | Principal Contact Person | Name..... Position..... |
| 4 | Contacts | Mobile Phone No..... Email..... |
| 5 | Physical Location of Business Premises | Town..... Street..... Building Name..... Floor..... |
| 6 | Nature of Organization (e.g Sole Proprietorship, Public or Private Limited Company, Partnership etc) | |
| 7 | Name of the Proprietor, Directors or Partners (Attach copies of identity cards/passports) Where applicable indicate shares | 1. 2. 3. 4. 5. |
| 8 | Nature of Business | |
| 9 | State Credit Period (Minimum is 30 days) | |

YOU ARE ADVISED IT IS A SERIOUS OFFENCE TO GIVE FALSE INFORMATION ON THIS FORM

Form of Tender

Date: _____

Tender No. _____

To:

[Name and address of procuring entity]

Gentlemen and/or Ladies:

1. Having examined the tender documents including Addenda. Nos. *[Insert numbers]*. The receipt of which is hereby duly acknowledged, we the undersigned, offer to purchase and collect all the items offered to us in conformity with the said tender documents for the sum of*[total tender amount in words and figures]* or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Tender.

2. We undertake, if our Tender is accepted, to pay for and collect the items in accordance with the requirements of the tender.

3. We agree to abide by the tender for a period of*[number]* days from the date fixed for tender opening of the Instructions to tenderers, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

4. We understand that you are not bound to accept the highest or any tender that you may receive.

Dated this _____ day of _____ 20 _____

[Signature]

[In the capacity of

Duly authorized to sign tender for and on behalf of _____

III. CONFIDENTIAL BUSINESS QUESTIONNAIRE

You are required to give the particulars indicated in Part I and either Part 2 (a), 2 (b) or 2 (c) whichever applies to your type of business. You are advised that it is a serious offence to give false information on this form

| | |
|---|--|
| <p><i>Part I- General :</i></p> <p>Business Name </p> <p>Location of business premises.....</p> <p>Plot No. Street/Road.....</p> <p>Postal Address.....Tel. No.....</p> <p>Nature of business.....</p> <p>Current Trade Licence No.....Expiring date.....</p> <p>Maximum value of business which you can handle at any one time : Kshs.....</p> <p>Name of your bankers.....Branch </p> | |
| <input type="checkbox"/> | <p><i>Part 2 (a) – Sole Proprietor</i></p> <p>Your name in full.....Age.....</p> <p>Nationality.....Country of origin.....</p> <p>*Citizenship details.....</p> |

| <input type="checkbox"/> | <p>Part 2 (b) Partnership Given details of partners as follows:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; width: 25%;"><i>Name</i></th> <th style="text-align: center; width: 25%;"><i>Nationality</i></th> <th style="text-align: center; width: 30%;"><i>Citizenship Details</i></th> <th style="text-align: center; width: 20%;"><i>Shares</i></th> </tr> </thead> <tbody> <tr><td colspan="4">.....</td></tr> <tr><td colspan="4">.....</td></tr> <tr><td colspan="4">.....</td></tr> </tbody> </table> | <i>Name</i> | <i>Nationality</i> | <i>Citizenship Details</i> | <i>Shares</i> | | | | | | | | | | | | | | | | | | | | |
|---|---|----------------------------|--------------------|----------------------------|---------------|-------|-------|--|--|-------|-------|--|--|-------|-------|--|--|----|-------|--|--|----|-------|--|--|
| <i>Name</i> | <i>Nationality</i> | <i>Citizenship Details</i> | <i>Shares</i> | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <p>Part 2 (c) – Registered Company:</p> <p>Private or Public.....</p> <p>State the nominal and issued capital of company-</p> <p style="padding-left: 20px;">Nominal Kshs.....</p> <p style="padding-left: 20px;">Issued Kshs.....</p> | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | <p>Given details of all directors as follows:-</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; width: 25%;"><i>Name</i></th> <th style="text-align: center; width: 25%;"><i>Nationality</i></th> <th style="text-align: center; width: 30%;"><i>Citizenship Details</i></th> <th style="text-align: center; width: 20%;"><i>Shares</i></th> </tr> </thead> <tbody> <tr> <td style="vertical-align: top;">1.</td> <td colspan="3">.....</td> </tr> <tr> <td style="vertical-align: top;">2.</td> <td colspan="3">.....</td> </tr> <tr> <td style="vertical-align: top;">3.</td> <td colspan="3">.....</td> </tr> <tr> <td style="vertical-align: top;">4.</td> <td colspan="3">.....</td> </tr> <tr> <td style="vertical-align: top;">5.</td> <td colspan="3">.....</td> </tr> </tbody> </table> | <i>Name</i> | <i>Nationality</i> | <i>Citizenship Details</i> | <i>Shares</i> | 1. | | | | 2. | | | | 3. | | | | 4. | | | | 5. | | | |
| <i>Name</i> | <i>Nationality</i> | <i>Citizenship Details</i> | <i>Shares</i> | | | | | | | | | | | | | | | | | | | | | | |
| 1. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>DateSignature of Candidate.....</p> | | | | | | | | | | | | | | | | | | | | | | | | | |

*if Kenya Citizen, indicate under “Citizenship Details” whether by Birth, Naturalization or Registration.....

PART IV: BUSINESS PROBITY AND LITIGATION HISTORY

Contractors/Suppliers should provide information on any history of litigation or arbitration resulting from contracts executed in the last five years or currently under execution.

| YEAR | AWARD FOR OR AGAINST | NAME OF CLIENT, CAUSE OF LITIGATION AND MATTER IN DISPUTE | DISPUTED AMOUNT (CURRENT VALUE, KSHS. EQUIVALENT) |
|------|----------------------|---|---|
| | | | |
| | | | |
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PART V: ANTI-CORRUPTION PLEDGE FORM.

I/We.....

are aware that the Government views corruption in the procurement process a serious matter and aware that it is against Anti-Corruption and Crimes Act to engage in corrupt and fraudulent practices do hereby pledge not to engage in such practices while bidding for the supply of Goods and service to the Government.

Tenderer’s Name.....

Address.....

Authorized signature.....

Date.....

PART VI: SWORN STATEMENT

I declare that to the best of my knowledge the answers submitted in this pre qualification questionnaires (and any supporting documentation) are correct. I understand that any misrepresentation will render my organization ineligible to participate in any future business activities with the Procuring entity.

Having studied the pre-qualification information for the above provision of goods, works or services applied for I hereby state:

1. The information and answers furnished in this pre-qualification questionnaire form (and any supporting documentation) are correct to the best of our knowledge and I understand that any misrepresentation will render my organization ineligible to participate in any future business activities with the Procuring entity
2. That in case of being pre-qualified we acknowledge that this grants us the right to participate in due time in the submission of a tender or quotation on the basis of provision in the tender or quotation documents to follow.
3. We enclose all the required documents and information required for the pre-qualification evaluation.
4. We will not engage in corrupt practices with the Members of Staff.
5. We have not been debarred from participating in Public Procurement Proceedings.

| FORM COMPLETED BY: | |
|---------------------------|--|
| Date: | |
| Name: | |
| Signature: | |
| Stamp or seal | |

(Full name and designation of the person signing and stamp or seal)

| SRL | ITEM DESCRIPTION | UNIT OF ISSUE | PRICE (KSHS) |
|------------|-------------------------------------|----------------------|---------------------|
| 1. | Sheet Roofing G.C.I 30G | L/M | |
| 2. | Sheet Roofing G.C.I 28G | L/M | |
| 3. | Sheet Roofing G.C.I 24G | L/M | |
| 4. | Sheet Roofing G.C.I 24G | PC | |
| 5. | Gutter Roofing G.I 2m x 30G | PC | |
| 6. | Ridges Roofing G.I 2m x 30G | PC | |
| 7. | Ridges Roofing G.I 2m x 28G | PC | |
| 8. | Ridges Roofing G.I 2m x 26G | Kg | |
| 9. | Nail Roofing Galvanized | Kg | |
| 10. | Nail Wire Round 25mm x 15G | Kg | |
| 11. | Nail Wire Round 40mm x 11G | Kg | |
| 12. | Nail Wire Round 50mm x 11G | Kg | |
| 13. | Nail Wire Round 60mm x 3G | Roll | |
| 14. | Wire Barbed 12 ½ G x 20kg | Roll | |
| 15. | Wire Barbed 10G x 25kg | Sheet | |
| 16. | Wire Barbed 8' x 4' x 8G | Sheet | |
| 17. | Wire Barbed 8' x 4' x 10G | Sheet | |
| 18. | Wire Barbed 8' x 4' x 12G | Roll | |
| 19. | Chain Link 60" Height x 18m | Roll | |
| 20. | Chain Link 48" Height x 18m | Roll | |
| 21. | Chain Link 72" Height x 18m | Sheet | |
| 22. | Soft Board (Cellotex) 8' x 4' x ½ " | Sheet | |

| | | | |
|-----|--|--------|--|
| 23. | Hardboard 8' x4' x ½ " | Sheet | |
| 24. | Block Board 8' x 4' x 1" | Sheet | |
| 25. | Block Board 8' x 4' x ¾ " | Sheet | |
| 26. | Block Board 8' x 4' x ¼ " | No. | |
| 27. | Jembe Fork 2 1/2Lb – 3Prong | No. | |
| 28. | Mattock Pick Head Chisel Point | No. | |
| 29. | Shovel c/w Handle | No. | |
| 30. | Panga 18" Straight | No. | |
| 31. | Handle wooden for Jembes& Mattocks-3500 | No. | |
| 32. | Wheelbarrow complete with solid rubber wheel | No. | |
| 33. | Reinforcement round ba90-0r 6mm x 12 | Length | |
| 34. | Reinforcement round bars 8m x 12m | Length | |
| 35. | Reinforcement round bars 10mm x 12m | Length | |
| 36. | Reinforcement round bars 12mm x 12m | Length | |
| 37. | Reinforcement round bars 16mm x 12m | Length | |
| 38. | Reinforcement Twisted bars 8mm x 12m | Length | |
| 39. | Reinforcement Twisted bars 10mm x 12m | Length | |
| 40. | Waste plug | No . | |
| 41. | ½ " PPR elbow | No . | |
| 42. | ¾ " Socket | No . | |
| 43. | 1" G – Plug | No. | |
| 44. | ½ " PPR elbow | No. | |

| | | | |
|-------|-------------------|-----|--|
| 45. | 1" Gate valve | No. | |
| 46. | ½ " Gate valve | No. | |
| 47. | 1" Flex nipple | No. | |
| 48. | ½ " long nipple | No. | |
| 49. | ½ " Back nuts | No. | |
| 50. | ½" Ordinary tap | No. | |
| 51. | 1" PPR socket | No. | |
| 52. | 1" Male socket | No. | |
| 53. | 1" PPR union | No. | |
| 54. | 1" PPR Tee | No. | |
| 55. / | 1 ½ " Gate Valve | No. | |
| 56. | ¾ " PPR union | No. | |
| 57. | ¾ " PPR Tee | No. | |
| 58. | ½ Male socket | No. | |
| 59. | 1/2 " PPR union | No. | |
| 60. | ½ " Female elbow | No. | |
| 61. | ½ " Female socket | No. | |
| 62. | ¾ " Ordinary tap | No. | |
| 63. | Shower rose | No. | |
| 64. | 1 ½ End cap | No. | |
| 65. | 1" End cap | No. | |
| 66. | ½ " End cap | No. | |
| 67. | 16mm PE pipe | No. | |

| | | | |
|-----|----------------------------------|-----|--|
| 68. | 32mm PE pipe | No. | |
| 69. | 15mm PE pipe | No. | |
| 70. | Valve | No. | |
| 71. | 16mm Elbow PE | No. | |
| 72. | Profile | No. | |
| 73. | W-wire | No. | |
| 74. | ¾ PPR pipe | No. | |
| 75. | Padlock tricircle 266 | No. | |
| 76. | Addhesire sealing tape 660 | No. | |
| 77. | Sufuria heavy duty 100ltrs | No. | |
| 78. | 200ltrs | NO. | |
| 79. | 250ltrs | No. | |
| 80. | Hammer | No. | |
| 81. | Resin Coat Roofing 30G | R/M | |
| 82. | Resin Coat Roofing 28G | R/M | |
| 83. | Resin Coat Roofing 26G | Bag | |
| 84. | Cement Ordinary 50kg | Kg | |
| 85. | Rakes complete with steel handle | No. | |
| 86. | Plastic Water Tank 300ltrs | No. | |
| 87. | Plastic Water Tank 500ltrs | No. | |
| 88. | Plastic Water Tank | No. | |

| | | | |
|-----|-------------------------------------|------------|--|
| | 1000ltrs | | |
| 89. | Plastic Water Tank 1500ltrs | No. | |
| 90. | Plastic Water Tank 2000ltrs | No. | |
| 91. | Plastic Water Tank 2300ltrs | No. | |
| 92. | Plastic Water Tank 2500ltrs | No. | |
| 93. | Plastic Water Tank 3000ltrs | No. | |
| 94. | Plastic Water Tank 5000ltrs | No. | |
| 95. | Plastic Water Tank 10000ltrs | No. | |
| 96. | Plastic Chairs | No. | |
| 97. | Tents - 100 pax 50 pax | No. No. | |
| 98. | Sufuria 90 ltrs | No. | |
| 99. | Food warmers | No. | |
| 92. | Tea Urns | No. | |
| 93. | Serving Spoons | No. | |
| 94. | Umbrella : market (9ft) bodaboda | No. No. | |

| | | | |
|----|--------------------|-----|--|
| 95 | Wheel chair | No | |
| 96 | Solar water pump | No. | |
| 97 | Canvas market shed | No. | |

PLUMBING MATERIALS

| SRL | ITEM DESCRIPTION | PRICE (KSHS) |
|------------|-------------------------|---------------------|
| 1. | Waste bend 1 ¼ | |
| 2. | ½ PPR socket | |
| 3. | ½ Male elbow (PPR) | |
| 4. | ½ Flex tube | |
| 5. | ½ “ PPR pipe | |
| 6. | ½ “ Clips | |
| 7. | 1” Steel nail | |
| 8. | 100ml ta ngit | |
| 9. | 4 Waste pipe | |
| 10. | 4 Magic Connector | |
| 11. | Thread tape | |
| 12. | Stand pipe ¾ “ | |
| 13. | Stand pipe ½ “ | |
| 14. | Long nipple ¾” | |
| 15. | 1 ½ “ Bend | |
| 16. | 1 ½ “ Tee | |

| | | |
|-----|-------------------|--|
| 17. | 1 ½ “ Render P.E | |
| 18. | 1 ½ “ Bottle trap | |
| 19. | ½ “ Ordinary tap | |
| 20. | ½ “ MF bend | |