

# **Bid Addendum Report**

## **Water Sector Governance And Infrastructure Support project(WaSGISP),Birendranagar**

Water Sector Governance And Infrastructure Support project(WaSGISP),  
Birendranagar  
Birendranagar, Surkhet  
Birendranagar, Surkhet  
Karnali Province  
Nepal

**Addendum No: 2**

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**Invitation No: NP-DWSS-508890-CW-RFB**

**Dated On: 23-12-2025 00:00**

## Following changes are made in the bid document

### Chapter: General Information

Sl. No.	Relavant Clause No / Name	Existing Clause	Modified Clause
1	Clarification Submission Date	2026-02-03 14:15:00	2026-02-27 11:11:00

## Chapter: Bill of Quantities

1 Provisional Sum						
Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Unit Rate(in NPR)	Amount(in NPR)	
1	Provisional Sum for third party and Employer and /or their representatives inspection and testing of pipes, valves, fittings and all accessories at the manufacturer's premises and additional testing as per requirement of Engineer, as specified in document SECTION VII-A: Clause 13.4 WORKS REQUIREMENTS.	P.S	1	3000000	3000000	
2	Provisional Sum for permanent relocation costs of water and sanitation utilities, as specified in document SECTION VII-B: Clause 4.1, A1.2, (c) WORKS REQUIREMENTS.	P.S	1	12400000	12400000	
3	Provisional Sum for permanent relocation costs of other utilities (including but not limited to telecommunication and other communication services, electricity including re-alignment of cables and new chambers, shifting of poles of any capacities/kind and transformers of any type/capacities), as specified in document SECTION VII-B: Clause 4.1, A 1.2, (c) WORKS REQUIREMENTS	P.S	1	8700000	8700000	
4	Knowledge Transfer, Skill Enhancement and capacity building with Training to project personnel and System Tuning and Optimization Phase management personal as instructed by Engineer	P.S	1	2500000	2500000	
5	Greenery Promotion and additional Environment Protection Works at Project Area	P.S	1	2100000	2100000	
6	GRM, SEA/SH and GBV, STDs Training, management and SEA/SH case handling and Socio-Cultural harmony	P.S	1	2500000	2500000	
7	Supply of Electricity facility for System Tuning and Optimization Purpose in KWH per year	P.S	1	276000	276000	
8	Cost for complying with any other requirement not covered in BOQ and cost for Dispute Avoidance / Adjudication Board (DAAB), General or Particular Conditions of Contract which may have a financial implication and instructed by the Engineer during execution of the Work.	P.S	1	24700000	24700000	
2 Construction work						
2.1 Part No. A1: Preliminary and General Work						
Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
1	A.2 General Item: Provision and complete installation of all Site Offices (1) for the Engineer of required equipment and office premises, etc. as specified in document SECTION VII-A: WORKS REQUIREMENTS Clause 6.1.	L.S	1.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
2	A.2 General Item: Maintenance of all Site Offices for the Engineer of required numbers, equipment, office premises, including payment of rents, fees and charges for services, stationary, office consumables, cleaning, provision of one peon, round the clock guard in each office, regular supply of safety personal protective equipment to the Engineer's team and visits, topographic survey assistance, etc. all as specified in document SECTION VII-A: WORKS REQUIREMENTS Clause 6.1.	Month	24.0			
3	A.2 General Item: Provision and complete installation of all contractor's temporary facilities for whole construction period, including labour camps, stores, testing laboratory, etc., as specified in document SECTION VII-A: WORKS REQUIREMENTS Clause 7.1 and 7.2.	L.S	1.0			
4	A.2 General Item: Maintenance of all contractor's temporary facilities( 3 different units for Labour Camps, Store yard and Contractors office) for whole construction period including cost of all necessary amenities and facilities and other services compliance with EMP and ESMP with proper maintenance, as specified in document SECTION VII-A: WORKS REQUIREMENTS Clause 7.1 and 7.2.	Month	24.0			
5	A.2 General Item: Provision and installation of signboards as per contract drawing, at all project offices and at required location at each section of the Contract as directed by the Engineer, as specified in document SECTION VII-A: WORKS REQUIREMENTS Clause 7.17.	Nos.	3.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
6	A.2 General Item: Supply, operation and maintenance of following vehicles on rent with fuel and lubricant, including insurance, maintenance during construction period cost, and immediate replacement if needed, on monthly basis for Engineer or his staff as specified in document SECTION VII-A: WORKS REQUIREMENTS Clause 6.3 and as itemized below: One Four Wheel Drive Pick up at least 2200 CC with driver 2025 AD model or latest on rent.	Month	24.0			
7	A.2 General Item: Supply, operation and maintenance of following vehicles on rent with fuel and lubricant, including insurance, maintenance during construction period cost, and immediate replacement if needed, on monthly basis for Engineer or his staff as specified in document SECTION VII-A: WORKS REQUIREMENTS Clause 6.3 and as itemized below: Two Motorbikes of at least 150 CC, 2025 AD model or latest on rent.	Month	24.0			
8	A.2 General Item: Provision of Monthly Progress Reports as specified in document SECTION VII-A: WORKS REQUIREMENTS Clause 9.7.5 (Works Progress As-Built Drawings, GIS database , Photographs, Compliance with Safe guards checklist, OHS performance Report and EMP performance Report shall also be added), including preparation, copies and submission, to be paid only after content and quality check approval of the Engineer.	Month	24.0			
9	A.2 General Item: Provision of Organizational Health and Safety OHS Plan and Procedures including community health and safety as specified in document SECTION VII- A: WORKS REQUIREMENTS Clause 9.2 , including preparation, copies and submission, to be paid only after content and quality check approval of the Engineer including preparation of required manual.	Month	24.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
10	A.2 General Item: Provision of worksite Environment and Social Management Plan (ESMP) and Procedures and preparation of labour Management Plan as specified in document SECTION VII-A: WORKS REQUIREMENTS Clause 9.4, including preparation, copies and submission, to be paid only after content and quality check approval of the Engineer including preparation of required manual.	Month	24.0			
11	A.2 General Item: Provision of Quality Control Plan and Procedures with required manpower and equipment as specified in document SECTION VII-A: WORKS REQUIREMENTS Clause 9.5, including preparation, copies and submission, to be paid only after content and quality check approval of the Engineer.	Month	24.0			
12	A.2 General Item: Provision of Traffic Management Plan and Procedures including necessary all required manpower and equipment as specified in document SECTION VII-A: WORKS REQUIREMENTS Clause 9.3, including preparation, copies and submission, to be paid only after content and quality check approval of the Engineer.	Month	24.0			
13	A.2 General Item: Provision for carrying out trial trenches/pits (with all earthworks needed such as site clearance, excavation by manual means, as per BoQ B1 Excavation of Pipeline Trenches item, re-backfill and compaction, surface/road temporary reinstatement, etc.) at any depth in order to determine the underground utilities, soil condition, rock level, etc., locations and dimensions to be approved by the Engineer as specified in document SECTION VII-A: WORKS REQUIREMENTS Clause 10.	cu.m	100.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
14	A.2 General Item: Environmental and Occupational Health and Safety In Site Management as per document SECTION VII--B: PARTICULAR REQUIREMENTS (APPENDIXES- D) Provision of Personal Preventive Equipment ( hard helmet, Reflector Vest, Mask, Gloves, Safety Shoes or Gum Boot, Face Shield) to all Construction workers, with log registration of the handing over signed and/or finger printed by the worker, including subcontractor's workers, as specified in document SECTION VII- A: WORKS REQUIREMENTS Clause 9.2.1	L.S	1.0			
15	A.2 General Item: Environmental and Occupational Health and Safety In Site Management as per document SECTION VII--B: PARTICULAR REQUIREMENTS (APPENDIXES- D) Sprinkling of water thrice a day (Morning, Afternoon and Evening) for air pollution control during the dry period along the excavated trench until blacktopping for road reinstatement is completed SECTION VII-B: WORKS REQUIREMENTS Clause 4.1 A1.2, Appendix D or as per requirement and direction of Engineer all complete	km	110.0			
16	A.2 General Item: Environmental and Occupational Health and Safety In Site Management as per document SECTION VII--B: PARTICULAR REQUIREMENTS (APPENDIXES- D) Supply and use initially for baseline measurement and then regularly as specified in SECTION VII-B: WORKS REQUIREMENTS Clause 4.1 A1.2, Appendix D, Air Quality measurement equipment for air quality monitoring and Gase detecting device. Final turnover to the Employer at the end of contract	Nos.	1.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
17	A.2 General Item: Environmental and Occupational Health and Safety In Site Management as per document SECTION VII--B: PARTICULAR REQUIREMENTS (APPENDIXES- D) Supply and use initially for baseline measurement and then regularly as specified in SECTION VII-B: WORKS REQUIREMENTS Clause 4.1 A1.2, Appendix D, Noise measurement equipment for noise monitoring. Final Turnover to the Employer at the end of the contract	Nos.	1.0			
18	A.2 General Item: As built drawing and GIS Database for Taking-Over Preparation and submission of AS- BUILT DRAWINGS, submission in every MPR and final compilation and submission at the completion of each PART/SECTION for taking-over certificate, as per document SECTION VII-A: WORKS REQUIREMENTS Clause 9.10.1, to be paid after content and quality check approval of the Engineer	L.S	1.0			
19	A.2 General Item: As built drawing and GIS Database for Taking-Over Preparation and submission of GIS DATABASE at the completion of each PART/SECTION for taking-over certificate, as per document SECTION VII-A: WORKS REQUIREMENTS Clause 9.10.2, to be paid after content and quality check approval of the Engineer	L.S	1.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
20	A.2 General Item: Conduct a complete Topographic Survey on roads / streets / pathways/ divided plots approx. area/ Area of undivided land including the customer survey connection details where all pipelines are to be laid, previous to the submittal of the working drawings. The work to include benchmarks execution and shifting, preparation and submittal of Drawings in CAD (compatible format as requested by the Engineer) with names of Road, localities, major adjoining landmarks (i.e. Schools, institutions, commercial places etc.), historical places, descriptions including proper legends, geo reference of all landmarks etc., as specified in document SECTION VII- A: WORKS REQUIREMENTS Clause 9.1.	km	392.0			
<b>3 Construction work</b>						
3.1 Work No. B1: Earth Material Related Works						
Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
1	<p>B.1 Earthwork: Excavation for Primary pipelines trenches, including:</p> <ul style="list-style-type: none"> <li>- site clearance, cutting and removal of existing pavement or land, store of all reusable pavement material for further reinstatement,</li> <li>- excavation of pipe trenches in all soils/rock with vertical sides as per drawings, width measurement clear width in typical drawing, depth measurement actual depth,</li> <li>- including any extra excavation: for soft soil or rocks, fittings, bends, flanges and sockets, for battered sides, for shoring, for preparation of trench bottom, etc.,</li> <li>- separation of suitable soil from unsuitable soil during excavation and temporary storage, transport lead and lift of excavated material,</li> <li>- final safe disposal of surplus material including transport and lead and lift, dewatering,</li> </ul> <p>all complete works as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 1.2.4.7 and direction of the Engineer, with all lead and lift.</p>	cu.m	1734.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
2	<p>B.1 Earthwork: Excavation for Distribution pipelines trenches, including:</p> <ul style="list-style-type: none"> <li>- site clearance, cutting and removal of existing pavement or land, store of all reusable pavement material for further reinstatement,</li> <li>- excavation of pipe trenches in all soils/rock with vertical sides as per drawings, width and depth measurement clear width and fixed depth in typical drawing,</li> <li>- including any extra excavation: for soft soil or rocks, fittings, bends, flanges and sockets, for battered sides, for shoring, for preparation of trench bottom, etc.,</li> <li>- separation of suitable soil from unsuitable soil during excavation and temporary storage, transport lead and lift of excavated material,</li> <li>- final safe disposal of surplus material including transport and lead and lift,</li> <li>- dewatering,</li> </ul> <p>all complete works as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 1.2.4.7 and direction of the Engineer, with all lead and lift.</p>	cu.m	300057.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
3	<p>B.1 Earthwork: Excavation for structures (except pipeline works), for any depth and in all types of soil by 80% mechanical or/ and 20% manual means, including:</p> <ul style="list-style-type: none"> <li>- site clearance, cutting and removal of existing pavement or land, store of all reusable pavement material for further reinstatement,</li> <li>- excavation in all soils with vertical sides as per drawings,</li> <li>- including extra excavation for soft soil, extra excavation for battered sides, extra excavation for slope protection,</li> <li>- separation of suitable soil from unsuitable soil during excavation and temporary storage, transport lead and lift of excavated material,</li> <li>- final safe disposal of surplus material including transport and lead and lift,</li> <li>- dewatering,</li> </ul> <p>all complete works as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 1.2.4.4 and direction of the Engineer with all lead and lift.</p>	cu.m	8645.18			
4	<p>B.1 Earthwork: Shoring on both trench sides: Design, Supply of materials, manpower and equipment for installation and deinstallation, erection of conventional vertical pillars, bracing, and hardwood/metal plates sheeting, on both sides of trenches deeper than 1.50 meters, or else interlocking sheet piles, or prefabricated metallic box type shoring in deeper trenches. Shoring as required to support the trench walls to eliminate sliding and settling, and as may be otherwise required to protect the workmen and existing utilities, structures, nearby buildings, trees, poles, etc. All such sheeting, bracing, and shoring shall comply with the document SECTION VII-C: WORKS REQUIREMENTS Clause 3.1.5.5.</p> <p>Contractor shall submit the designs and drawings for all type of trench shoring, and seek necessary approval from the Engineer, prior to commencement of the works.</p>	sq.m	3841.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
5	B.1 Earthwork: Place and compact trench main backfilling and other backfilling with suitable material from excavation, as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 3.1.5.10 and Drawings, and conditioned to prior approval of the Engineer	cu.m	289008.38			
6	B.1 Earthwork: Dismantling of Stone Masonry wall of Existing Service reservoir and disposal at appropriate location of excess material with all lead and lift as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 1.5 and approval from Engineer.	cu.m	128.35			
7	B.1 Earthwork: Loading, Hauling, Unloading and Piling of Pebble, gravel and aggregates from existing sedimentation tank by labour using baskets such as doko, Tokari, Kharpan, thunse, etc. all complete	Cum	517.5			
8	B.1 Earthwork: Provide, place and compact imported appropriate sand for cradle bedding, and embedment backfill for DI Pipe, as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 3.1.5.9 and Drawings, and conditioned to prior approval of the Engineer	Cum	624.0			

#### 4 Construction work

4.1 Work No. B2: Brick and Stone work

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
1	B.2 Brick and Stone Work: Supply of materials at site and complete the Flat Brick Soling Work on top of sand bed of minimum 25mm thick by First Class Brick in the base of foundation as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 1.4.4.8, drawings and to the satisfaction of the Engineer including filling of minor depression and void by sand with all lead and lift all complete	sq.m	2556.57			
2	B.2 Brick and Stone Work: Supply of materials at site and complete the Stone Boulder Soling Work on top of sand bed of minimum 25mm thick in the base of foundation as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 1.5.9, drawings and to the satisfaction of the Engineer including filling of minor depression and void by sand with all lead and lift all complete	sq.m	1118.18			
3	B.2 Brick and Stone Work: Supply of materials at site and complete the First Class Brick Work with 1: 4 Cement Sand Ratio construction with minimum 50mm thick First Class Brick for any structures work, all complete as per SECTION VII-C: WORKS REQUIREMENTS Clause 1.4, drawings and instruction of the Engineer, with all lead and lift	Cum	1102.0			
4	B.2 Brick and Stone Work: Supply of materials at site and complete the First Class Brick Work with 1: 6 Cement Sand Ratio construction with minimum 50mm thick First Class Brick for any structures work, all complete as per SECTION VII-C: WORKS REQUIREMENTS Clause 1.4, drawings and instruction of the Engineer, with all lead and lift	Cum	77.77			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
5	B.2 Brick and Stone Work: Supply of materials at site and complete the Rip rap of Boulder Work in the side of concrete casing on River crossing as per the specification, drawing and to the satisfaction of the Engineer including filling of minor depression and void by sand with all lead and lift all complete Section VII-C: Works Requirement Clause 1.5.11.	Cum	495.0			
6	B.2 Brick and Stone Work: Supply of materials at site and complete the Gabion Mattress with Stone compaction at top of concrete casing and rip rap on River crossing as per the specification, drawing and to the satisfaction of the Engineer including filling of minor depression and void by sand with all lead and lift all complete Section VII-C: Works Requirement Clause 1.5.10.	Cum	400.19			
7	B.2 Brick and Stone Work: Supply of materials at site and complete the construction of dry Stone Masonry Wall for any structures work, all complete as per SECTION VII-C: WORKS REQUIREMENTS Clause 1.4, drawings and instruction of the Engineer, with all lead and lift	Cum	113.98			
8	B.2 Brick and Stone Work: Breaking of boulder & rock / Excavation of Trench in boulder deposit for sump collector, pipe trench, cutoff wall, Weir Portion, wing wall (triangular portion in plan) and launching apron	cu.m	243.18			
9	B.2 Brick and Stone Work: Supply of materials at site and complete the Stone Masonry Wall with 1:6 Cement Sand Ratio construction for any structures work, all complete as per SECTION VII-C: WORKS REQUIREMENTS Clause 1.4, drawings and instruction of the Engineer, with all lead and lift	cu.m	235.58			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
10	B.2 Brick and Stone Work: Supply of materials at site and complete the Stone Masonry Wall with 1:4 Cement Sand Ratio construction for any structures work, all complete as per SECTION VII-C: WORKS REQUIREMENTS Clause 1.4, drawings and instruction of the Engineer, with all lead and lift	cu.m	27.72			

**5 Construction work**

## 5.1 Work No. B3: Concrete Related Work

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
1	B.3 Concrete Work: Supply of materials, place and complete M15 concrete work for PCC of any size and any shape in structures or foundation as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 1.3 and Drawings and by instruction of the Engineer, with proper vibration and curing of the work including all lead and lift	cu.m	547.04			
2	B.3 Concrete Work: Supply of materials, place and complete M20 concrete work for RCC of any size and any shape as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 1.3 and Drawings and by instruction of the Engineer, with proper vibration, curing of the work including all lead and lift	cu.m	1730.78			
3	B.3 Concrete Work: Supply of materials, place and complete M25 concrete work for RCC of any size and any shape for River Crossing at Primary Pipe Line as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 1.3 and Drawings and by instruction of the Engineer, with proper vibration, curing of the work including all lead and lift	cu.m	544.52			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
4	B.3 Concrete Work: Supply of materials, place and complete M30 concrete work for RCC of any size and any shape for structures as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 1.3 and Drawings and by instruction of the Engineer, with proper vibration, curing of the work including all lead and lift	cu.m	59.89			
5	B.3 Concrete Work: Supply of materials, place and complete M35 concrete work for RCC for SRT as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 1.3 and Drawings and by instruction of the Engineer, with proper vibration, curing of the work including all lead and lift	cu.m	483.54			
6	B.3 Concrete Work: Supply of materials and complete Reinforcement Steel of grade Fe500D Works for any RCC Works as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 1.3.3.6 and drawings and directed by the Engineer, including cutting, bending, placing in position of binding by Bind Wire, including all lap length/wastage, etc., (lap length and wastage will not be additionally paid and shall be included in the rate price, but not in measurement) with all lead and lift	kg	200489.98			
7	B.3 Concrete Work: Supply of Wooden or Metal Formwork, Steel Tubular Props and other material for complete centering-shuttering of formwork and the auxiliary needed scaffolding and falsework, in chambers , for all structural elements, including shuttering, propping, installation and removal of formwork, scaffolding and falsework, as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 1.3.4.3 and Drawings and by instruction of the Engineer, for sub structure and super structure of RCC/PCC Works with all lead and lift	sq.m	11539.16			
<b>6 Construction work</b>						
6.1 Work No. B4: Concrete Surface Finishing Work						

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
1	B.4 Concrete Surface Finishing Work: Supply of material and complete Cement Sand Plastering Work of 12.5 mm thick in 1:4 Cement Sand ratio in external concrete surfaces (not wet), mixing, laying, leveling, proper curing, as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 1.6 and Drawings, and by instruction of the Engineer, including all lead and lift	sq.m	14503.02			
2	B.4 Concrete Surface Finishing Work: Supply of material and complete Cement Sand Plastering Work of 12.5 mm thick in 1:4 Cement Sand ratio in ceiling surfaces, mixing, laying, leveling, proper curing, as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 1.6 and Drawings, and by instruction of the Engineer, including all lead and lift	sq.m	248.42			
3	B.4 Concrete Surface Finishing Work: Supply of material and complete Cement Sand Plastering Work of 12.5 mm thick in 1:3 Cement Sand ratio in external concrete surfaces (not wet), mixing, laying, leveling, proper curing, as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 1.6 and Drawings, and by instruction of the Engineer, including all lead and lift	sq.m	28.64			
4	B.4 Concrete Surface Finishing Work: Supply of material and complete Cement Sand Plastering Work of 20mm thick in 1:3 Cement Sand ratio in concrete surfaces, mixing, laying, leveling, proper curing, as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 1.6 and Drawings, and by instruction of the Engineer, including all lead and lift	sq.m	135.22			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
5	B.4 Concrete Surface Finishing Work: Supply of materials at site and complete Cement Puning work of 3mm thick (Cement: Sand ratio of 1:1) on plastered surface, as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 1.7.5.3 and Drawings, and by instruction of the Engineer, including all lead and lift	sq.m	8455.12			
6	B.4 Concrete Surface Finishing Work: Supply of materials at site and complete Cement Screeding works 50 mm thickness (Cement: Sand ratio of 1:2:4) on plastered surface, as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 1.7.5.3 and Drawings, and by instruction of the Engineer, including all lead and lift	sq.m	164.0			
7	B.4 Concrete Surface Finishing Work: Supply, preparation and application in two coats of water-based food grade epoxy resin coating in inner walls of reservoirs having volume solids not less than 50% and application rate better than 8m <sup>3</sup> /kg per coat, as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 1.7.5.10 and Drawings, and by instruction of the Engineer, including all lead and lift	sq.m	1503.51			
8	B.4 Concrete Surface Finishing Work: Supply, preparation and application of Enamel Paint in external reservoir walls finishing, in two coats, as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 1.7.5.9 and Drawings, and by instruction of the Engineer (color selection as well), including all lead and lift	sq.m	494.49			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
9	B.4 Concrete Surface Finishing Work: Supply and complete installation of Reservoir Safety Steps in chambers, steel reinforced rod minimum diameter 12mm injection molded of tough copolymer polypropylene or similar cover, as per document SECTION VII-C: WORKS REQUIREMENTS Clause 3.2.5.9, completely installed to the final approval of the Engineer	set	115.0			
<b>7 Construction work</b>						
7.1 Work No. B5: Surface Reinstatement						
Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
1	B.5 Surface Reinstatement: Aggregate Layers Supplying, mixing, laying/spreading, watering, levelling and compaction of crushed stone sub base layer material for surface reinstatement, all complete as per SECTION VII-C: WORKS REQUIREMENTS Clause 2.2, drawings and instruction of the Engineer, with all lead and lift	cu.m	8010.0			
2	B.5 Surface Reinstatement: Aggregate Layers Supplying, mixing, laying/spreading, watering, levelling and compaction of the granular capping layer with sufficient compaction over the pipeline trench for surface reinstatement, all complete as per SECTION VII-C: WORKS REQUIREMENTS Clause 2.2, drawings and instruction of the Engineer, with all lead and lift	cu.m	2132.0			
3	B.5 Surface Reinstatement: Aggregate Layers Supplying, mixing, laying/spreading, watering, levelling and compaction of crushed stone base layer material for surface reinstatement, as per SECTION VII-C: WORKS REQUIREMENTS Clause 2.3, drawings and instruction of the Engineer, with all lead and lift	cu.m	6070.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
4	B.5 Surface Reinstatement: Reinstatement for Asphalt Roads Subgrade preparation by scarifying existing surface and re-compaction for the asphalt Road reinstatement beyond the trench width , as per SECTION VII-C: WORKS REQUIREMENTS Clause 2.1.4, drawings and instruction of the Engineer, with all lead and lift	sq.m	39988.0			
5	B.5 Surface Reinstatement: Reinstatement for Asphalt Roads Supply, mix, spray ( manual and/ or mechanical) and cure the Prime Coat with Emulsion for cold mix asphalt reinstatement, all complete as per SECTION VII-C: WORKS REQUIREMENTS Clause 2.5, drawings and instruction of the Engineer, with all lead and lift	sq.m	20000.0			
6	B.5 Surface Reinstatement: Reinstatement for Asphalt Roads Supply, heat, mix, spray (manual and/or mechanical) and cure the Prime Coat for the asphalt road reinstatement, as per SECTION VII- C: WORKS REQUIREMENTS Clause 2.5, drawings and instruction of the Engineer, with all lead and lift	sq.m	39988.0			
7	B.5 Surface Reinstatement: Reinstatement for Asphalt Roads Providing and applying tack coat with hot Bitumen at the specified rate as per SECTION VII-C: WORKS REQUIREMENTS Clause 2.6 the prepared surfaces including cleaning as per Technical Speciation .	sq.m	20000.0			
8	B.5 Surface Reinstatement: Reinstatement for Asphalt Roads Supplying, mixing, laying, compacting, curing Cold Asphalt Mix for asphalt road reinstatement, all complete as per SECTION VII-C: WORKS REQUIREMENTS Clause 2.10, drawings and instruction of the Engineer, with all lead and lift	cu.m	814.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
9	B.5 Surface Reinstatement: Reinstatement for Asphalt Roads Supplying, heating, mixing, laying, compacting, curing the Asphalt Mix Concrete for the asphalt road reinstatement, as per SECTION VII- C: WORKS REQUIREMENTS Clause 2.8, drawings and instruction of the Engineer, with all lead and lift	cu.m	3016.0			
10	B.5 Surface Reinstatement: Reinstatement for Asphalt Roads Providing and laying open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates as wearing course on a previously prepared base as per drawing and SECTION VII-C: WORKS REQUIREMENTS Clause 2.11 .	sq.m	20350.0			
11	B.5 Surface Reinstatement: Other Pavement Reinstatement Works Gravel Road: Supplying and laying of well-graded gravel mix of crushed gravel, sand and fines with sufficient compaction, as per SECTION VII-C: WORKS REQUIREMENTS Clause 3.1.5.14, drawings and instruction of the Engineer, with all lead and lift	cu.m	4982.0			
12	B.5 Surface Reinstatement: Other Pavement Reinstatement Works PCC/RCC Concrete Road (except reinforcement): Dismantling of existing PCC/ RCC surface and Supply of required materials (except reinforcement), mixing, placing, compaction and complete PCC/RCC concrete not less than M20 works of thickness as per site condition with proper vibration and curing of the work, removal of any debris as per SECTION VII-C: WORKS REQUIREMENTS Clause 2.17, drawings and instruction of the Engineer, with all lead and lift	cu.m	9342.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
13	B.5 Surface Reinstatement: Other Pavement Reinstatement Works Interlocking Concrete Block Pavement: Dismantling and Reinstatement with stored old blocks in site clearance and supply of any needed new blocks for replacement of broken blocks maximum up to 15 Percentage , not less than 50mm thick, of Grade not less than M20, colour, size and shape including levelling with sand bed of 50mm thickness, as per SECTION VII-C: WORKS REQUIREMENTS Clause 2.15, drawings and instruction of the Engineer, with all lead and lift	sq.m	2679.0			
14	B.5 Surface Reinstatement: Other Pavement Reinstatement Works Brick Pavement: Dismantling and Reinstatement with new supply of quality bricks maximum of 70 Percentage area and 30 Percentage with old bricks and carry out the placement of bricks vertical positioned in specified pattern after bed preparation,75mm thick sand bed levelling, filling of voids by compacted sand and/or 1:1 cement sand mortar pointing, as per SECTION VII- C: WORKS REQUIREMENTS Clause 2.18, drawings and instruction of the Engineer, with all lead and lift	sq.m	506.0			
15	B.5 Surface Reinstatement: Other Pavement Reinstatement Works Stone Pavement: Dismantling and Reinstatement with stored old flag stones in site clearance and supply of new ones for replacement of broken stones up to maximum 15 Percentage, with minimum thickness of 100mm, after bed preparation (as per existing condition of base material compaction or brick soiling) , laying on top of sand bed 75mm thick , as per SECTION VII-C: WORKS REQUIREMENTS Clause 2.14, drawings and instruction of the Engineer, with all lead and lift	sq.m	506.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
16	B.5 Surface Reinstatement: Other Pavement Reinstatement Works Kerb Stone : Dismantling and Reinstatement with stored old kerb Stone in site clearance and supply of 15 Percentage new ones for replacement of broken of M20 precast cement concrete Kerb 38 cm * 20 cm * 25 cm ( H*B*L) with 12 mm thick 1:3 cement sand mortar bedding and joints including foundation excavation levelling and including foundation concrete for foundation or sand gravel material, all complete as per SECTION VII-C: WORKS REQUIREMENTS Clause 2.16, drawings and instruction of the Engineer, with all lead and lift	m	2900.0			
17	B.5 Surface Reinstatement: Other Pavement Reinstatement Works Surface Drain: Execute complete M20 concrete surface drain (Tick type ), including excavation in all types of soil/rock, dewatering, backfilling in layers, brick flat soling, concreting etc., as per SECTION VII-C: WORKS REQUIREMENTS Clause 2.12, drawings and instruction of the Engineer, with safe disposal of excess soil, all lead and lift	m	500.0			
18	B.5 Surface Reinstatement: Other Pavement Reinstatement Works Catch Pit: Execute complete Catch pit including excavation in all types of soil/rock, dewatering, backfilling in layers, brick flat soling, brick wall construction in 1:6 cement sand mortar, 1:4 plaster works with cement punning, concrete topping including fixing of CI gratings (compliant with IS: 5961) including supply and laying of 160mm dia HDPE pipe (minimum length: 1.5m) etc., as per SECTION VII-C: WORKS REQUIREMENTS Clause 2.13, drawings and instruction of the Engineer, with safe disposal of excess soil, all lead and lift	Nos.	50.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
19	B.5 Surface Reinstatement: Other Pavement Reinstatement Works Raising of existing (circular/square/rectangular) manhole covers and frames in all sizes. It should be leveled with finishing road surface and shall be carried out as per instruction of the Engineer.	Nos.	20.0			

## 8 Construction work

### 8.1 Work No. B6: Metal Related Works

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
1	B.6 Metal Works: Supply and installation of Circular manhole covers and frames with Heavy duty (HD-20) type, 600 mm diameter dimension, complying with IS: 1726 on main roads, leveled with surrounding area, all complete as per SECTION VII-C: WORKS REQUIREMENTS Clause 3.2.5.8, drawings and instruction of the Engineer, with safe disposal of excess soil, all lead and lift	Nos.	306.0			
2	B.6 Metal Works: Supply and Installation of Circular Surface Box Cover, 150mm diameter, EN-124 Class D400, made of polymer composite including M15 concrete pad and flat brick soling, completely installed as per document SECTION VII-C: WORKS REQUIREMENTS Clause 3.2.5.8, completely installed to the final approval of the Engineer	Nos.	1158.0			
3	B.6 Metal Works: Supply and Installation of HDPE Housing with metal spindle for Circular Surface Box Cover, 150mm diameter, EN-124 Class D400, made of polymer composite including M15 concrete pad and flat brick soling, completely installed as per document SECTION VII-C: WORKS REQUIREMENTS Clause 3.2.5.8, completely installed to the final approval of the Engineer	Nos.	1158.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
4	B.6 Metal Works: Supply and Installation of Square Manhole Cover and frame, clear opening 400 mm x 400mm, for underground hydrant chambers, IS 1726 Heavy Duty class HD-20, as per document SECTION VII-C: WORKS REQUIREMENTS Clause 3.2.5.8, completely installed to the final approval of the Engineer	Nos.	52.0			
5	B.6 Metal Works: Supply and complete installation of Manhole Safety Steps in chambers, steel reinforced rod minimum diameter 16mm injection molded of tough copolymer polypropylene or similar cover, as per document SECTION VII-C: WORKS REQUIREMENTS Clause 3.2.5.9, completely installed to the final approval of the Engineer	Nos.	3966.0			
6	B.6 Metal Works: Supply and Installation of different shape and size steel support for pipe at bridges, include steel profile, steel plates, anchor plates, steel straps and chemical anchors as shown in drawing, as per document SECTION VII-C: WORKS REQUIREMENTS, completely installed to the final approval of the Engineer	kg	3852.0			

## 9 Construction work

### 9.1 Work No. B7: Other Miscellaneous Works

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
1	B.7 Other civil works: Supply of materials, installation of 40 mm dia. Medium class GI Pipe Railing as per document SECTION VII-C: WORKS REQUIREMENTS Clause 5.8, completely installed to the final approval of the Engineer	m	214.3			
2	B.7 Other civil works: Supply and Installation of 240 mm PVC water Stopper as per document SECTION VII-C:WORKS REQUIREMENTS Clause 1.3.5.5 , completely installed to the final approval of the Engineer	m	529.84			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
3	B.7 Other civil works: Supply and Installation of complete set of Water Level Indicator as per document SECTION VII-C: WORKS REQUIREMENTS Clause 6.2.1, completely installed to the final approval of the Engineer	set	1.0			
4	B.7 Other civil works: Providing and fixing Single panel Casement ( Hinged) Door or window of Aluminium section in natural or color anodized/ powder coated color section size ( 102x45x1.5 mm) fitted with 5 mm clear glass or 9 mm both side laminated board as per document SECTION VII-C: WORKS REQUIREMENTS, drawings and Engineer's instructions.	sq.m	28.61			
5	B.7 Other civil works: Supply, delivery, and installation of 1000-litre double-layer durable hill-type polyethylene water tank (UV- stabilized, food-grade), including base preparation, anchoring, fittings, and complete commissioning as directed by the Engineer	Nos.	2.0			
6	B.7 Other civil works: Supply and complete installation of rolling shutter as per drawings and Section VII-C: Works Requirements Clause 1.8, fabricated from heavy-duty mild steel with corrosion-resistant paint finish, including guide rails, locking system, top hood cover, application of lubricant for smooth operation, testing, and final approval of the Engineer.	sq.m	5.5			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
7	B.7 Other civil works: Supply, fabrication, and installation of a fixed vertical inspection ladder for SRT, manufactured from hot-dip galvanized mild steel , designed for corrosion resistance in SRT environments, including non-slip rungs (minimum 25 mm diameter), side rails (minimum 50×6 mm), safety cage starting at 2.4 m height (if applicable), anchoring brackets, wall fixings, top handrails extending 1 m above landing platform, and all required bolts, washers, and fasteners. The ladder shall be installed as per approved shop drawings, aligned and securely fixed to the SRT wall, tested for stability, and handed over for final approval of the Engineer.	kg	73.19			
8	B.7 Other civil works: Supply, fabrication, and installation of structural metal truss frame for the RSF cover, consisting of hot-dip galvanized steel trusses, rafters, purlins, and bracings, including all required plates, connectors, anchor bolts, nuts, and washers. The work includes cutting, welding, grinding, surface preparation, corrosion-resistant painting where required, proper alignment, anchoring to concrete supports, and provision of necessary supports for subsequent sheet installation. The entire truss system shall be fabricated and installed as per approved drawings and Section VII-C: Works Requirements, and completed to the satisfaction and final approval of the Engineer.	kg	6022.22			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
9	B.7 Other civil works: Supply and installation of corrugated galvanized iron (CGI) sheets for the roof over the metal truss structure, using high- quality GI sheets of minimum 0.45–0.50 mm thickness with zinc coating not less than 120 GSM, including ridge pieces, side laps, end laps, J- hooks/screws with neoprene washers, sealing tape, and necessary fastening accessories. Works shall include proper alignment, cutting, fixing, overlap sealing (minimum 150 mm end lap and one corrugation side lap), provision of gutters/flashing where required, and ensuring watertight installation. All works shall be completed as per approved drawings and Section VII-C: Works Requirements, and handed over to the satisfaction and final approval of the Engineer.	sq.m	156.14			
10	B.7 Other civil works: Supply, delivery, washing, screening, and installation of filter media consisting of clean, hard, durable, and well- graded gravel of size 40–60 mm, conforming to the standard filter media specifications and free from clay, silt, organic matter, and other impurities. Works include proper cleaning, grading, layering, uniform placement to the required depth, leveling, and compaction as per drawings and Section VII-C: Works Requirements Clause 9, including all labor, tools, and testing for compliance, completed to the satisfaction and final approval of the Engineer	cu.m	14.4			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
11	B.7 Other civil works: Supply, delivery, washing, screening, and installation of filter media consisting of clean, hard, durable, and well- graded gravel of size 20-40 mm, conforming to the standard filter media specifications and free from clay, silt, organic matter, and other impurities. Works include proper cleaning, grading, layering, uniform placement to the required depth, leveling, and compaction as per drawings and Section VII-C: Works Requirements Clause 9, including all labor, tools, and testing for compliance, completed to the satisfaction and final approval of the Engineer	cu.m	8.64			
12	B.7 Other civil works: Supply, delivery, washing, screening, and installation of filter media consisting of clean, hard, durable, and well- graded gravel of size 10-20 mm, conforming to the standard filter media specifications and free from clay, silt, organic matter, and other impurities. Works include proper cleaning, grading, layering, uniform placement to the required depth, leveling, and compaction as per drawings and Section VII-C: Works Requirements Clause 9, including all labor, tools, and testing for compliance, completed to the satisfaction and final approval of the Engineer	cu.m	8.64			
13	B.7 Other civil works: Supply, delivery, washing, screening, and installation of filter media consisting of clean, hard, durable, and well- graded gravel of size 5-10 mm, conforming to the standard filter media specifications and free from clay, silt, organic matter, and other impurities. Works include proper cleaning, grading, layering, uniform placement to the required depth, leveling, and compaction as per drawings and Section VII-C: Works Requirements Clause 9, including all labor, tools, and testing for compliance, completed to the satisfaction and final approval of the Engineer	cu.m	5.76			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
14	B.7 Other civil works: Supply, delivery, washing, screening, and installation of filter media consisting of clean, hard, durable, and well- graded gravel of size 2.5-5 mm, conforming to the standard filter media specifications and free from clay, silt, organic matter, and other impurities. Works include proper cleaning, grading, layering, uniform placement to the required depth, leveling, and compaction as per drawings and Section VII-C: Works Requirements Clause 9, including all labor, tools, and testing for compliance, completed to the satisfaction and final approval of the Engineer	cu.m	5.76			
15	B.7 Other civil works: Supply, delivery, washing, screening, and installation of clean, well-graded sand filter media as per the standard specifications, free from clay, silt, organic matter, and other deleterious materials; including thorough washing to achieve required turbidity limits, uniform placement to the specified depth, leveling, light compaction, and compliance with grading requirements indicated in Section VII-C: Works Requirements Clause 9. The item includes all labor, tools, equipment, and testing for particle size distribution and cleanliness, completed to the satisfaction and final approval of the Engineer	cu.m	50.4			
16	B.7 Other civil works: Supply, delivery, and installation of galvanized iron (GI) chain-link fencing fabricated from 10 SWG GI wire with 50×50 mm mesh size, conforming to relevant standards, including stretching, fixing to posts, tensioning with GI binding wire, provision of top and bottom GI tension wires, and securing with appropriate fasteners. Works include cutting, alignment, tying, and ensuring uniform tension throughout the fence length, complete with all accessories as per approved drawings and Section VII-C: Works Requirements, and completed to the full satisfaction and final approval of the Engineer.	sq.m	754.12			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
17	B.7 Other civil works: Supply, fabrication, and installation of steel trash rack for the intake structure, manufactured as per approved drawings, using heavy-duty mild steel flat bars/rods with specified spacing, including cutting, welding, grinding, alignment, and provision of supporting frame. The rack shall be hot-dip galvanized (minimum 80 microns) or coated with corrosion-resistant paint suitable for continuous water exposure. Works include anchoring to intake structure, fixing bolts, lifting/handling provisions (if required), and ensuring proper fit, straightness, and debris-screening function. All works shall comply with Section VII-C: Works Requirements and be completed to the satisfaction and final approval of the Engineer.	kg	50.0			
18	B.7 Other civil works: Careful disconnection, dismantling, and removal of existing HDPE pipeline from the site (Koribori Intake), including excavation (if required), safe extraction of pipe sections, cleaning, bundling, and loading onto transport vehicle; followed by transportation and unloading at the designated storage location. All works shall be carried out with proper handling to avoid damage to reusable materials and in accordance with Section VII-C: Works Requirements, completed to the satisfaction and final approval of the Engineer.	Job	1.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
19	B.7 Other civil works: Supply, delivery, and laying of ASTM-standard A106 Grade C, DN 200, Schedule 40, including cutting, alignment, jointing (welded/flanged as specified), and installation in proper line and level. The pipe shall have an external epoxy coating (minimum 2- coat system, total DFT not less than 200 microns) for corrosion protection. Works include handling, lowering into trench, bedding, supports, fittings, testing of joints, and all associated accessories as per approved drawings and Section VII-C: Works Requirements, completed in all respects to the full satisfaction and final approval of the Engineer.	m	170.0			
20	B.7 Other civil works: Supply, transportation, and installation of H- shape mild steel post of size 125×125×6.5×9 mm, minimum length 1.2 m (excluding 0.15 m tapered/spiked portion), fabricated and spiked at the bottom for piling, as per approved drawings. The post shall be driven/piled into the ground to the required depth to serve as anchorage support for 200 mm diameter seamless steel pipe, installed at a spacing of 1 no. per 5 m distance. Works include cutting, fabrication, tapering, cleaning, corrosion-protective painting, handling, alignment, driving/piling to the designed embedment, and ensuring firm support and stability, all completed as per Section VII-C: Works Requirements and to the full satisfaction and final approval of the Engineer.	Nos.	35.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
21	B.7 Other civil works: Dewatering of accumulated water from the construction site to facilitate Intake construction, using pumps, hoses, and necessary equipment; including continuous pumping, diversion, and safe discharge to designated locations without causing erosion or environmental impact. The work includes removal of surface water, seepage water, and groundwater inflow as required, maintaining the site in dry and workable condition throughout the construction period. All labor, equipment, fuel, supervision, and safety measures shall be provided by the contractor as per Section VII-C: Works Requirements, completed to the satisfaction and final approval of the Engineer.	Job	1.0			
22	B.7 Other civil works: Execution of landscaping works at the Itram Khola Intake area, including clearing and grubbing of surface vegetation, trimming of uneven ground, levelling and grading the site as per drawings, filling with suitable soil where required, compaction, preparation of planting beds, and turfing/grass planting using approved species. Works include provision and planting of shrubs/ornamental plants (as specified), application of topsoil and organic manure, watering, mulching, and maintaining the landscaped area for the initial establishment period. All works shall comply with the approved landscape plan and Section VII-C: Works Requirements, completed to the satisfaction and final approval of the Engineer	Job	1.0			
<b>10 Construction work</b>						
10.1 Work No. C1: Supply and Installation of Pipes						
Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
1	C.1 Pipe works: Supply of all materials and laying/installation of DI Primary Spigot and Socket Straight Pipes , including necessary accessories, joint rings and lubricant, minimum length 5.5 m, outside coating and inside lining as per technical specifications, including storing properly, loading the pipes at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends (including length wastage), jointing, dewatering, supply and installation of PE sleeving with seal tape, detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. 500 mm diameter DI Pipe of Class C30 as per ISO 2531 or equivalent	m	1098.0			
2	C.1 Pipe works: Supply and laying/installation of Distribution Network HDPE pipe PE 100 PN 10/ 12.5/ 16/ 20 in open-cut trenches with required Bend as per requirement including storing in proper location, loading the pipes & fittings at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, butt fusion jointing, dewatering, supply and installation of detectable warning tape at specified level, successful sectional pressure and leakage testing, including cost of water and cost of all testing arrangements/equipment, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 315 PE 100 PN 10	m	1352.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
3	C.1 Pipe works: Supply and laying/installation of Distribution Network HDPE pipe PE 100 PN 10/ 12.5/ 16/ 20 (NS 40: 2079 or equivalent) in open-cut trenches with required Bend as per requirement including storing in proper location, loading the pipes & fittings at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, butt fusion jointing, dewatering, supply and installation of detectable warning tape at specified level, successful sectional pressure and leakage testing, including cost of water and cost of all testing arrangements/equipment, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 280 PE 100 PN 10	m	2770.0			
4	C.1 Pipe works: Supply and laying/installation of Distribution Network HDPE pipe PE 100 PN 10/ 12.5/ 16/ 20 (NS 40: 2079 or equivalent) in open-cut trenches with required Bend as per requirement including storing in proper location, loading the pipes & fittings at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, butt fusion jointing, dewatering, supply and installation of detectable warning tape at specified level, successful sectional pressure and leakage testing, including cost of water and cost of all testing arrangements/equipment, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 250 PE 100 PN 10	m	3566.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
5	C.1 Pipe works: Supply and laying/installation of Distribution Network HDPE pipe PE 100 PN 10/ 12.5/ 16/ 20 (NS 40: 2079 or equivalent) in open-cut trenches with required Bend as per requirement including storing in proper location, loading the pipes & fittings at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, butt fusion jointing, dewatering, supply and installation of detectable warning tape at specified level, successful sectional pressure and leakage testing, including cost of water and cost of all testing arrangements/equipment, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 225 PE 100 PN 10	m	22.0			
6	C.1 Pipe works: Supply and laying/installation of Distribution Network HDPE pipe PE 100 PN 10/ 12.5/ 16/ 20 (NS 40: 2079 or equivalent) in open-cut trenches with required Bend as per requirement including storing in proper location, loading the pipes & fittings at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, butt fusion jointing, dewatering, supply and installation of detectable warning tape at specified level, successful sectional pressure and leakage testing, including cost of water and cost of all testing arrangements/equipment, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 200 PE 100 PN 12.5	m	13.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
7	C.1 Pipe works: Supply and laying/installation of Distribution Network HDPE pipe PE 100 PN 10/ 12.5/ 16/ 20 (NS 40: 2079 or equivalent) in open-cut trenches with required Bend as per requirement including storing in proper location, loading the pipes & fittings at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, fusion jointing, dewatering, supply and installation of detectable warning tape at specified level, successful sectional pressure and leakage testing, including cost of water and cost of all testing arrangements/equipment, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 200 PE 100 PN 10	m	4129.0			
8	C.1 Pipe works: Supply and laying/installation of Distribution Network HDPE pipe PE 100 PN 10/ 12.5/ 16/ 20 (NS 40: 2079 or equivalent) in open-cut trenches with required Bend as per requirement including storing in proper location, loading the pipes & fittings at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, butt fusion jointing, dewatering, supply and installation of detectable warning tape at specified level, successful sectional pressure and leakage testing, including cost of water and cost of all testing arrangements/equipment, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 180 PE 100 PN 10	m	9693.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
9	C.1 Pipe works: Supply and laying/installation of Distribution Network HDPE pipe PE 100 PN 10/ 12.5/ 16/ 20 (NS 40: 2079 or equivalent) in open-cut trenches with required Bend as per requirement including storing in proper location, loading the pipes & fittings at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, butt fusion jointing, dewatering, supply and installation of detectable warning tape at specified level, successful sectional pressure and leakage testing, including cost of water and cost of all testing arrangements/equipment, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 160 PE 100 PN 12.5	m	12.0			
10	C.1 Pipe works: Supply and laying/installation of Distribution Network HDPE pipe PE 100 PN 10/ 12.5/ 16/ 20 (NS 40: 2079 or equivalent) in open-cut trenches with required Bend as per requirement including storing in proper location, loading the pipes & fittings at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, butt fusion jointing, dewatering, supply and installation of detectable warning tape at specified level, successful sectional pressure and leakage testing, including cost of water and cost of all testing arrangements/equipment, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 160 PE 100 PN 10	m	28224.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
11	C.1 Pipe works: Supply and laying/installation of Distribution Network HDPE pipe PE 100 PN 10/ 12.5/ 16/ 20 (NS 40: 2079 or equivalent) in open-cut trenches with required Bend as per requirement including storing in proper location, loading the pipes & fittings at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, butt fusion jointing, dewatering, supply and installation of detectable warning tape at specified level, successful sectional pressure and leakage testing, including cost of water and cost of all testing arrangements/equipment, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 140 PE 100 PN 12.5	m	1149.0			
12	C.1 Pipe works: Supply and laying/installation of Distribution Network HDPE pipe PE 100 PN 10/ 12.5/ 16/ 20 (NS 40: 2079 or equivalent) in open-cut trenches with required Bend as per requirement including storing in proper location, loading the pipes & fittings at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, butt fusion jointing, dewatering, supply and installation of detectable warning tape at specified level, successful sectional pressure and leakage testing, including cost of water and cost of all testing arrangements/equipment, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 140 PE 100 PN 10	m	11826.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
13	C.1 Pipe works: Supply and laying/installation of Distribution Network HDPE pipe PE 100 PN 10/ 12.5/ 16/ 20 (NS 40: 2079 or equivalent) in open-cut trenches with required Bend as per requirement including storing in proper location, loading the pipes & fittings at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, butt fusion jointing, dewatering, supply and installation of detectable warning tape at specified level, successful sectional pressure and leakage testing, including cost of water and cost of all testing arrangements/equipment, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 125 PE 100 PN 12.5	m	1039.0			
14	C.1 Pipe works: Supply and laying/installation of Distribution Network HDPE pipe PE 100 PN 10/ 12.5/ 16/ 20 (NS 40: 2079 or equivalent) in open-cut trenches with required Bend as per requirement including storing in proper location, loading the pipes & fittings at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, butt fusion jointing, dewatering, supply and installation of detectable warning tape at specified level, successful sectional pressure and leakage testing, including cost of water and cost of all testing arrangements/equipment, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 125 PE 100 PN 10	m	30439.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
15	C.1 Pipe works: Supply and laying/installation of Distribution Network HDPE pipe PE 100 PN 10/ 12.5/ 16/ 20 (NS 40: 2079 or equivalent) in open-cut trenches with required Bend as per requirement including storing in proper location, loading the pipes & fittings at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, butt fusion jointing, dewatering, supply and installation of detectable warning tape at specified level, successful sectional pressure and leakage testing, including cost of water and cost of all testing arrangements/equipment, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 110 PE 100 PN 16	m	1170.0			
16	C.1 Pipe works: Supply and laying/installation of Distribution Network HDPE pipe PE 100 PN 10/ 12.5/ 16/ 20 (NS 40: 2079 or equivalent) in open-cut trenches with required Bend as per requirement including storing in proper location, loading the pipes & fittings at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, butt fusion jointing, dewatering, supply and installation of detectable warning tape at specified level, successful sectional pressure and leakage testing, including cost of water and cost of all testing arrangements/equipment, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 110 PE 100 PN 12.5	m	9194.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
17	C.1 Pipe works: Supply and laying/installation of Distribution Network HDPE pipe PE 100 PN 10/ 12.5/ 16/ 20 (NS 40: 2079 or equivalent) in open-cut trenches with required Bend as per requirement including storing in proper location, loading the pipes & fittings at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, butt fusion jointing, dewatering, supply and installation of detectable warning tape at specified level, successful sectional pressure and leakage testing, including cost of water and cost of all testing arrangements/equipment, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 110 PE 100 PN 10	m	114143.0			
18	C.1 Pipe works: Supply and laying/installation of Distribution Network HDPE pipe PE 100 PN 10/ 12.5/ 16/ 20 (NS 40: 2079 or equivalent) in open-cut trenches with required Bend as per requirement including storing in proper location, loading the pipes & fittings at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, butt fusion jointing, dewatering, supply and installation of detectable warning tape at specified level, successful sectional pressure and leakage testing, including cost of water and cost of all testing arrangements/equipment, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 90 PE 100 PN 16	m	3035.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
19	C.1 Pipe works: Supply and laying/installation of Distribution Network HDPE pipe PE 100 PN 10/ 12.5/ 16/ 20 (NS 40: 2079 or equivalent) in open-cut trenches with required Bend as per requirement including storing in proper location, loading the pipes & fittings at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, butt fusion jointing, dewatering, supply and installation of detectable warning tape at specified level, successful sectional pressure and leakage testing, including cost of water and cost of all testing arrangements/equipment, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 90 PE 100 PN 12.5	m	7580.0			
20	C.1 Pipe works: Supply and laying/installation of Distribution Network HDPE pipe PE 100 PN 10/ 12.5/ 16/ 20 (NS 40: 2079 or equivalent) in open-cut trenches with required Bend as per requirement including storing in proper location, loading the pipes & fittings at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, butt fusion jointing, dewatering, supply and installation of detectable warning tape at specified level, successful sectional pressure and leakage testing, including cost of water and cost of all testing arrangements/equipment, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 90 PE 100 PN 10	m	191773.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
21	C.1 Pipe works: Supply and laying/installation of Distribution Network HDPE pipe PE 100 PN 10/ 12.5/ 16/ 20 (NS 40: 2079 or equivalent) in open-cut trenches with required Bend as per requirement including storing in proper location, loading the pipes & fittings at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, butt fusion jointing, dewatering, supply and installation of detectable warning tape at specified level, successful sectional pressure and leakage testing, including cost of water and cost of all testing arrangements/equipment, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 75 PE 100 PN 20	m	2828.0			
22	C.1 Pipe works: Supply and laying/installation of Distribution Network HDPE pipe PE 100 PN 10/ 12.5/ 16/ 20 (NS 40: 2079 or equivalent) in open-cut trenches with required Bend as per requirement including storing in proper location, loading the pipes & fittings at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, butt fusion jointing, dewatering, supply and installation of detectable warning tape at specified level, successful sectional pressure and leakage testing, including cost of water and cost of all testing arrangements/equipment, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 75 PE 100 PN 16	m	13915.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
23	C.1 Pipe works: Supply and laying/installation of Distribution Network HDPE pipe PE 100 PN 10/ 12.5/ 16/ 20 (NS 40: 2079 or equivalent) in open-cut trenches with required Bend as per requirement including storing in proper location, loading the pipes & fittings at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, butt fusion jointing, dewatering, supply and installation of detectable warning tape at specified level, successful sectional pressure and leakage testing, including cost of water and cost of all testing arrangements/equipment, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 75 PE 100 PN 12.5	m	20705.0			
24	C.1 Pipe works: Supply and laying/installation of Distribution Network HDPE pipe PE 100 PN 10/ 12.5/ 16/ 20 (NS 40: 2079 or equivalent) in open-cut trenches with required Bend as per requirement including storing in proper location, loading the pipes & fittings at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, butt fusion jointing, dewatering, supply and installation of detectable warning tape at specified level, successful sectional pressure and leakage testing, including cost of water and cost of all testing arrangements/equipment, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 75 PE 100 PN 10	m	328071.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
25	C.1 Pipe works: Supply and laying/installation of Class 500 PVC- O Pipe Socket Spigot Pipe (NS 596: 2079 or equivalent) with required PVCO Bend as per requirement including storing in proper location, loading the pipes & fittings at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, dewatering, supply and installation of detectable warning tape at specified level, successful sectional pressure and leakage testing, including cost of water and cost of all testing arrangements/equipment, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.6 and Drawings, and as instructed by the Engineer, with all lead and lift. 500 PVCO- PN12.5 ;125dia.	m	2505.3			
26	C.1 Pipe works: Supply and laying/installation of Class 500 PVC- O Pipe Socket Spigot Pipe (NS 596: 2079 or equivalent) with required PVCO Bend as per requirement including storing in proper location, loading the pipes & fittings at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, dewatering, supply and installation of detectable warning tape at specified level, successful sectional pressure and leakage testing, including cost of water and cost of all testing arrangements/equipment, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.6 and Drawings, and as instructed by the Engineer, with all lead and lift. 500 PVCO- PN12.5 ;140dia.	m	2166.15			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
27	C.1 Pipe works: Supply and laying/installation of Class 500 PVC- O Pipe Socket Spigot Pipe (NS 596: 2079 or equivalent) with required PVCO Bend as per requirement including storing in proper location, loading the pipes & fittings at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, dewatering, supply and installation of detectable warning tape at specified level, successful sectional pressure and leakage testing, including cost of water and cost of all testing arrangements/equipment, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.6 and Drawings, and as instructed by the Engineer, with all lead and lift. 500 PVCO- PN12.5 ;160dia.	m	1530.9			
28	C.1 Pipe works: Supply and laying/installation of Class 500 PVC- O Pipe Socket Spigot Pipe (NS 596: 2079 or equivalent) with required PVCO Bend as per requirement including storing in proper location, loading the pipes & fittings at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, dewatering, supply and installation of detectable warning tape at specified level, successful sectional pressure and leakage testing, including cost of water and cost of all testing arrangements/equipment, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.6 and Drawings, and as instructed by the Engineer, with all lead and lift. 500 PVCO- PN12.5 ;180dia.	m	6563.55			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
29	C.1 Pipe works: Supply and laying/installation of Class 500 PVC- O Pipe Socket Spigot Pipe (NS 596: 2079 or equivalent) with required PVCO Bend as per requirement including storing in proper location, loading the pipes & fittings at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, dewatering, supply and installation of detectable warning tape at specified level, successful sectional pressure and leakage testing, including cost of water and cost of all testing arrangements/equipment, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.6 and Drawings, and as instructed by the Engineer, with all lead and lift. 500 PVCO- PN12.5 ;200dia.	m	5131.35			
30	C.1 Pipe works: Supply and laying/installation of Class 500 PVC- O Pipe Socket Spigot Pipe (NS 596: 2079 or equivalent) with required PVCO Bend as per requirement including storing in proper location, loading the pipes & fittings at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, dewatering, supply and installation of detectable warning tape at specified level, successful sectional pressure and leakage testing, including cost of water and cost of all testing arrangements/equipment, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.6 and Drawings, and as instructed by the Engineer, with all lead and lift. 500 PVCO- PN12.5 ;225dia.	m	2640.75			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
31	C.1 Pipe works: Supply and laying/installation of Class 500 PVC- O Pipe Socket Spigot Pipe (NS 596: 2079 or equivalent) with required PVCO Bend as per requirement including storing in proper location, loading the pipes & fittings at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, dewatering, supply and installation of detectable warning tape at specified level, successful sectional pressure and leakage testing, including cost of water and cost of all testing arrangements/equipment, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.6 and Drawings, and as instructed by the Engineer, with all lead and lift. 500 PVCO- PN12.5 ;250dia.	m	5253.15			
32	C.1 Pipe works: Supply and laying/installation of Class 500 PVC- O Pipe Socket Spigot Pipe (NS 596: 2079 or equivalent) with required PVCO Bend as per requirement including storing in proper location, loading the pipes & fittings at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, dewatering, supply and installation of detectable warning tape at specified level, successful sectional pressure and leakage testing, including cost of water and cost of all testing arrangements/equipment, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.6 and Drawings, and as instructed by the Engineer, with all lead and lift. 500 PVCO-PN12.5 ;280dia.	m	2319.45			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
33	C.1 Pipe works: Supply and laying/installation of Class 500 PVC- O Pipe Socket Spigot Pipe (NS 596: 2079 or equivalent) with required PVCO Bend as per requirement including storing in proper location, loading the pipes & fittings at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, dewatering, supply and installation of detectable warning tape at specified level, successful sectional pressure and leakage testing, including cost of water and cost of all testing arrangements/equipment, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.6 and Drawings, and as instructed by the Engineer, with all lead and lift. 500 PVCO- PN12.5 ;315dia.	m	4553.85			
34	C.1 Pipe works: Supply and laying/installation of Class 500 PVC- O Pipe Socket Spigot Pipe (NS 596: 2079 or equivalent) with required PVCO Bend as per requirement including storing in proper location, loading the pipes & fittings at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, dewatering, supply and installation of detectable warning tape at specified level, successful sectional pressure and leakage testing, including cost of water and cost of all testing arrangements/equipment, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.6 and Drawings, and as instructed by the Engineer, with all lead and lift. 500 PVCO- PN12.5 ;355dia.	m	2359.35			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
35	Supply of all materials and laying/installation of 80mm(H) GI Pipes , including necessary accessories, joint rings and lubricant, minimum length 5.5 m, as per technical specifications, including storing properly, loading the pipes at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends (including length wastage), jointing, dewatering, supply and installation of PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VI: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift.	m	450.0			

### 11 Construction work

11.1 Work No. C2: Supply and Installation of Pipe and Chamber Fittings

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
1	C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVCO pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Double Socket Bend of 90 deg: DN 150 mm	Nos.	19.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
2	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Double Socket Bend of 90 deg. DN 200mm</p>	Nos.	43.0			
3	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Double Socket Bend of 90 deg. DN 250</p>	Nos.	16.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
4	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Double Socket Bend of 90 deg. DN 300</p>	Nos.	7.0			
5	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Double Socket Bend of 90 deg. DN 350</p>	Nos.	14.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
6	C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Double Socket Bend of 90 deg. DN 400	Nos.	7.0			
7	C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Double Socket Bend of 90 deg. DN 500	Nos.	3.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
8	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Double Socket Bend of 45 deg. DN 150</p>	Nos.	33.0			
9	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Double Socket Bend of 45 deg. DN 200</p>	Nos.	75.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
10	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Double Socket Bend of 45 deg. DN 250</p>	Nos.	28.0			
11	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Double Socket Bend of 45 deg. DN 300</p>	Nos.	13.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
12	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Double Socket Bend of 45 deg. DN 350</p>	Nos.	25.0			
13	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Double Socket Bend of 45 deg. DN 400</p>	Nos.	13.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
14	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Double Socket Bend of 45 deg. DN 500</p>	Nos.	5.0			
15	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Double Socket R Bend of 22.5 deg. DN 150</p>	Nos.	14.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
16	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Double Socket R Bend of 22.5 deg. DN 200</p>	Nos.	30.0			
17	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Double Socket R Bend of 22.5 deg. DN 250</p>	Nos.	11.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
18	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Double Socket R Bend of 22.5 deg. DN 300</p>	Nos.	5.0			
19	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Double Socket R Bend of 22.5 deg. DN 350</p>	Nos.	10.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
20	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Double Socket R Bend of 22.5 deg. DN 400</p>	Nos.	5.0			
21	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Double Socket R Bend of 22.5 deg. DN 500</p>	Nos.	11.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
22	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Double Socket Bend of 11.25 deg. DN 150</p>	Nos.	14.0			
23	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Double Socket Bend of 11.25 deg. DN 200</p>	Nos.	25.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
24	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Double Socket Bend of 11.25 deg. DN 250</p>	Nos.	13.0			
25	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Double Socket Bend of 11.25 deg. DN 300</p>	Nos.	13.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
26	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Double Socket Bend of 11.25 deg. DN 350</p>	Nos.	9.0			
27	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Double Socket Bend of 11.25 deg. DN 400</p>	Nos.	12.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
28	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Double Socket Bend of 11.25 deg. DN 450</p>	Nos.	5.0			
29	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Double Socket Bend of 11.25 deg. DN 500</p>	Nos.	16.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
30	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Double Socket Bend of 11.25 deg. DN 600</p>	Nos.	5.0			
31	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Double Socket Bend of 11.25 deg. DN 800</p>	Nos.	5.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
32	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI All Socket Equal Tee (ET) DN 150</p>	Nos.	14.0			
33	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI All Socket Equal Tee (ET) DN 200</p>	Nos.	30.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
34	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI All Socket Equal Tee (ET) DN 250</p>	Nos.	11.0			
35	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI All Socket Equal Tee (ET) DN 300</p>	Nos.	5.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
36	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI All Socket Equal Tee (ET) DN 350</p>	Nos.	10.0			
37	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI All Socket Equal Tee (ET) DN 400</p>	Nos.	5.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
38	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI All Socket Equal Tee (ET) DN 500</p>	Nos.	6.0			
39	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI All Socket Equal Tee (ET) DN 600</p>	Nos.	1.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
40	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI All Socket Equal Tee (ET) DN 800</p>	Nos.	1.0			
41	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI All Flange Equal Tee (ET) DN 200</p>	Nos.	6.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
42	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI All Flange Equal Tee (ET) DN 250</p>	Nos.	3.0			
43	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI All Flange Equal Tee (ET) DN 300</p>	Nos.	3.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
44	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI All Flange Equal Tee (ET) DN 350</p>	Nos.	2.0			
45	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Spigot Pipe Piece DN 150</p>	Nos.	74.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
46	C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Spigot Pipe Piece DN 200	Nos.	168.0			
47	C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Spigot Pipe Piece DN 250	Nos.	62.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
48	<p>C.2 : DI PIPELINES FITTINGS  Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift.  DI Spigot Pipe Piece DN 300</p>	Nos.	31.0			
49	<p>C.2 : DI PIPELINES FITTINGS  Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift.  DI Spigot Pipe Piece DN 350</p>	Nos.	51.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
50	<p>C.2 : DI PIPELINES FITTINGS  Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift.  DI Spigot Pipe Piece DN 400</p>	Nos.	30.0			
51	<p>C.2 : DI PIPELINES FITTINGS  Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift.  DI Spigot Pipe Piece DN 500</p>	Nos.	29.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
52	<p>C.2 : DI PIPELINES FITTINGS  Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVCO pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift.  DI Spigot Pipe Piece DN 600</p>	Nos.	1.0			
53	<p>C.2 : DI PIPELINES FITTINGS  Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVCO pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift.  DI Spigot Pipe Piece DN 800</p>	Nos.	1.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
54	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Flanged and Socket (FS) DN 150</p>	Nos.	5.0			
55	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Flanged and Socket (FS) DN 200</p>	Nos.	5.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
56	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Flanged and Socket (FS) DN 250</p>	Nos.	5.0			
57	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Flanged and Socket (FS) DN 300</p>	Nos.	5.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
58	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Flanged and Socket (FS) DN 350</p>	Nos.	5.0			
59	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Flanged and Socket (FS) DN 400</p>	Nos.	5.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
60	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Flanged and Socket (FS) DN 450</p>	Nos.	5.0			
61	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Flanged and Socket (FS) DN 500</p>	Nos.	29.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
62	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Flanged and Socket (FS) DN 600</p>	Nos.	1.0			
63	<p>C.2 : DI PIPELINES FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories and also compatible to different adjoining diameter size PVC pipe , outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DI Flanged and Socket (FS) DN 800</p>	Nos.	1.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
64	C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Tees OD 75	Nos.	823.0			
65	C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Tees OD 90	Nos.	458.0			
66	C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Tees OD 110	Nos.	291.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
67	C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Tees OD 140	Nos.	83.0			
68	C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Tees OD 160	Nos.	31.0			
69	C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Tees OD 200	Nos.	54.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
70	<p>C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Tees OD 250</p>	Nos.	22.0			
71	<p>C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Tees OD 315</p>	Nos.	21.0			
72	<p>C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Cross Tees OD 75</p>	Nos.	5.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
73	C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Cross Tees OD 90	Nos.	5.0			
74	C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Cross Tees OD 110	Nos.	5.0			
75	C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Cross Tees OD 140	Nos.	5.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
76	C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Cross Tees OD 160	Nos.	5.0			
77	C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Cross Tees OD 200	Nos.	5.0			
78	C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Cross Tees OD 250	Nos.	5.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
79	C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Cross Tees OD 315	Nos.	7.0			
80	C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Reducers 90mmx75mm	Nos.	1534.0			
81	C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Reducers 110mmx75mm	Nos.	18.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
82	C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Reducers 125mmx75mm	Nos.	16.0			
83	C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Reducers 140mmx75mm	Nos.	6.0			
84	C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Reducers 160mmx75mm	Nos.	261.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
85	<p>C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Reducers 180mmx75mm</p>	Nos.	66.0			
86	<p>C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Reducers 200mm x75 mm</p>	Nos.	110.0			
87	<p>C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Reducers 250mmx75 mm</p>	Nos.	91.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
88	<p>C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Reducers 315mmx75 mm</p>	Nos.	66.0			
89	<p>C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Reducers 110mm x 90mm</p>	Nos.	72.0			
90	<p>C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Reducers 125mm x 110mm</p>	Nos.	275.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
91	<p>C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Reducers 125mm x 90mm</p>	Nos.	113.0			
92	<p>C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Reducers 140mm x 110mm</p>	Nos.	55.0			
93	<p>C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Reducers 140mm x 125mm</p>	Nos.	44.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
94	C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Reducers 140mm x 90mm	Nos.	44.0			
95	C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Reducers 160mm x 110mm	Nos.	11.0			
96	C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Reducers 160mm x 125mm	Nos.	22.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
97	<p>C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Reducers 160mm x 140mm</p>	Nos.	6.0			
98	<p>C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Reducers 160mm x 90mm</p>	Nos.	2.0			
99	<p>C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Reducers 180mm x 110mm</p>	Nos.	3.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
100	<p>C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Reducers 180mm x 125mm</p>	Nos.	2.0			
101	<p>C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Reducers 180mm x 140mm</p>	Nos.	2.0			
102	<p>C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Reducers 180mm x 160mm</p>	Nos.	2.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
103	C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Reducers 180mm x 90mm	Nos.	17.0			
104	C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Reducers 200mm x 110mm	Nos.	2.0			
105	C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Reducers 200mm x 125mm	Nos.	2.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
106	C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Reducers 200mm x 140mm	Nos.	2.0			
107	C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 Reducers 200mm x 160mm	Nos.	2.0			
108	C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 End Stops OD 75	Nos.	218.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
109	C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 End Stops OD 90	Nos.	124.0			
110	C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 End Stops OD 110	Nos.	85.0			
111	C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 End Stops OD 140	Nos.	30.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
112	<p>C.2 : HDPE PIPELINES FITTINGS Supply and Installation of HDPE PE100 PN16 Electrofusion Fittings to be connected to the pipelines , including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE PE100 PN16 End Stops OD 160</p>	Nos.	19.0			
113	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. Socket Spigot Standard DI DN 800</p>	Nos.	2.0			
114	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. Socket Spigot Standard DI DN 600</p>	Nos.	2.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
115	C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. Socket Spigot Standard DI DN 500	Nos.	2.0			
116	C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. Socket Spigot Standard DI DN 400	Nos.	2.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
117	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. Socket Spigot Standard DI DN 300</p>	Nos.	5.0			
118	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. SINGLE FLANGED PIPE-DI DN 250</p>	Nos.	5.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
119	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. SINGLE FLANGED PIPE-DI DN 200</p>	Nos.	4.0			
120	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. SINGLE FLANGED PIPE-DI DN 150</p>	Nos.	8.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
121	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. SINGLE FLANGED PIPE-DI DN 125</p>	Nos.	2.0			
122	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. FLANGED ADAPTER UNRESTRAINED DN 400</p>	Nos.	2.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
123	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. FLANGED ADAPTER UNRESTRAINED DN 300</p>	Nos.	3.0			
124	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. FLANGED ADAPTER UNRESTRAINED DN 250</p>	Nos.	4.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
125	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. FLANGED ADAPTER UNRESTRAINED DN 200</p>	Nos.	4.0			
126	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. FLANGED ADAPTER RESTRAINED DN 250</p>	Nos.	2.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
127	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. FLANGED ADAPTER RESTRAINED DN 150</p>	Nos.	2.0			
128	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. FLANGED ADAPTER RESTRAINED DN 125</p>	Nos.	2.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
129	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. FLANGED UNEQUAL TEE-DI DN 800/300</p>	Nos.	2.0			
130	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. FLANGED UNEQUAL TEE-DI DN 400/300</p>	Nos.	2.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
131	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. FLANGED UNEQUAL TEE-DI DN 350/150</p>	Nos.	2.0			
132	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. FLANGED EQUAL TEE-DI DN 250</p>	Nos.	4.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
133	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. FLANGED EQUAL TEE-DI DN 150</p>	Nos.	3.0			
134	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. FLANGED EQUAL TEE-DI DN 125</p>	Nos.	3.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
135	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. FLANGED 90 deg. BEND-DI DN 250</p>	Nos.	3.0			
136	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. FLANGED 45 deg. BEND-DI DN 300</p>	Nos.	2.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
137	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. FLANGED REDUCER-DI DN 400/250</p>	Nos.	2.0			
138	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. FLANGED REDUCER-DI DN 300/250</p>	Nos.	2.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
139	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. FLANGED REDUCER-DI DN 300/200</p>	Nos.	2.0			
140	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. FLANGED REDUCER-DI DN 250/200</p>	Nos.	2.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
141	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. FLANGED REDUCER-DI DN 250/150</p>	Nos.	2.0			
142	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. FLANGED REDUCER-DI DN 250/125</p>	Nos.	3.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
143	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DOUBLE FLANGED PIPE WITH PUDDLE FLANGE LENGTH DN 250</p>	Nos.	3.0			
144	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DOUBLE FLANGED PIPE WITH PUDDLE FLANGE LENGTH DN 200</p>	Nos.	3.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
145	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DOUBLE FLANGED PIPE WITH PUDDLE FLANGE LENGTH DN 150</p>	Nos.	3.0			
146	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DOUBLE FLANGED PIPE WITH PUDDLE FLANGE LENGTH DN 125</p>	Nos.	3.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
147	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. SELF RESTRAINING DISMANTLING JOINT-DI DN 250</p>	Nos.	2.0			
148	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. SELF RESTRAINING DISMANTLING JOINT-DI DN 200</p>	Nos.	3.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
149	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. SELF RESTRAINING DISMANTLING JOINT-DI DN 150</p>	Nos.	3.0			
150	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. SELF RESTRAINING DISMANTLING JOINT-DI DN 125</p>	Nos.	3.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
151	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DOUBLE FLANGED PIPE DN 250</p>	Nos.	2.0			
152	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DOUBLE FLANGED PIPE DN 150</p>	Nos.	2.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
153	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DOUBLE FLANGED PIPE DN 125</p>	Nos.	2.0			
154	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DUCTILE IRON BACKING RING DN 250</p>	Nos.	4.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
155	<p>C.2 : OMU CHAMBERS FITTINGS Supply and Installation of DI Fittings (PN16), including all accessories, outside coating and inside lining as per technical specifications, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, cutting and preparing ends, jointing, PE sleeving with seal tape, non detectable warning tape at specified levels, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DUCTILE IRON BACKING RING DN 300</p>	Nos.	2.0			
156	<p>C.2 : OMU CHAMBERS FITTINGS Supply and installation of double flanged DI Strainer basket type PN16, installed in OMUs and DMAs Bulk Flow meters chambers, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift DN 250</p>	Nos.	2.0			
157	<p>C.2 : OMU CHAMBERS FITTINGS Supply and installation of double flanged DI Strainer basket type PN16, installed in OMUs and DMAs Bulk Flow meters chambers, all complete as specified in document SECTION VII- C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift DN 150</p>	Nos.	2.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
158	C.2 : OMU CHAMBERS FITTINGS Supply and Installation of Electrofusion HDPE PE100 PN16 fitting to be connected to the pipelines, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE STUB END DN 250	Nos.	4.0			
159	C.2 : OMU CHAMBERS FITTINGS Supply and Installation of Electrofusion HDPE PE100 PN16 fitting to be connected to the pipelines, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. HDPE STUB END DN 300	Nos.	2.0			
160	C.2 : OMU CHAMBERS FITTINGS Supply and Installation of Electrofusion HDPE PE100 PN16 fitting to be connected to the pipelines, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DN ELECTRO-FUSION COUPLING DN 250	Nos.	4.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
161	C.2 : OMU CHAMBERS FITTINGS Supply and Installation of Electrofusion HDPE PE100 PN16 fitting to be connected to the pipelines, including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer, with all lead and lift. DN ELECTRO-FUSION COUPLING DN 300	Nos.	2.0			
162	C.2 Fittings: Supply, delivery, and installation of 200 mm butterfly valve with DI body, SS disc/shaft, EPDM seat, PN16 rating, including flanges, gaskets, bolts, testing, and commissioning as per specification, SECTION VII-C: WORKS REQUIREMENTS Clause 5.1 and Drawings, and as instructed by the Engineer. Butterfly Valve 200 mm	set	1.0			
163	C.2 Fittings: Supply, delivery, and installation of 300 mm butterfly valve with DI body, SS disc/shaft, EPDM seat, PN16 rating, including flanges, gaskets, bolts, testing, and commissioning as per specification, SECTION VII-C: WORKS REQUIREMENTS Clause 5.1 and Drawings, and as instructed by the Engineer.	set	10.0			
164	C.2 Fittings: Supply and installation of 200 mm dia single-flanged tailpiece made of ductile iron (DI) with required gaskets, bolts, and fittings, installed in proper line and level as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer	set	2.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
165	C.2 Fittings: Supply and installation of 300 mm dia single-flanged tailpiece made of ductile iron (DI) with required gaskets, bolts, and fittings, installed in proper line and level as per specification, SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer	set	56.0			
166	C.2 Fittings: Supply, delivery and installation of DI Double Flanged Pipe 300 mm dia, PN-16 rated, including gaskets, bolts, and nuts as per the specification, SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	m	15.0			
167	C.2 Fittings: Supply, delivery and installation of DI Double Flanged 90 deg Bend 300 mm dia, PN-16 rated, including gaskets, bolts, and nuts.	set	14.0			
168	C.2 Fittings: Supply, delivery and installation of DI Taper 200 X 300, PN-16 rated, including all necessary accessories.	set	1.0			
169	C.2 Fittings: Supply, delivery and installation of DI Double Flanged Tee 300 X 300 X 300, PN-16 rated, including gaskets, bolts, and nuts.	set	4.0			
170	C.2 Fittings: Supply, delivery and installation of Mechanical Coupling 200 mm dia, PN-16 rated, including bolts, gaskets, and required hardware as per SECTION VII-C: WORKS REQUIREMENTS Clause 5.4 and Drawings, and as instructed by the Engineer	set	1.0			
171	C.2 Fittings: Supply, delivery and installation of Mechanical Coupling 300 mm dia, PN-16 rated, including bolts, gaskets, and required hardware as per SECTION VII-C: WORKS REQUIREMENTS Clause 5.4 and Drawings, and as instructed by the Engineer	set	33.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
172	C.2 Fittings: Supply, delivery and installation of DI Double Flanged Pipe 400 mm dia, PN-16 rated, including gaskets, bolts, and nuts.	m	48.0			
173	C.2 Fittings: Supply, delivery and installation of PE Pipe 63mm dia (6kg/sqcm), including jointing fittings and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer	m	210.0			
174	C.2 Fittings: Supply, delivery and installation of PE Pipe 50mm dia (6kg/sqcm), including jointing fittings and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer	m	197.28			
175	C.2 Fittings: Supply, delivery and installation of Sluice Valve 300 mm dia, PN-16 rated, including flanges, gaskets, bolts, and testing accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 5.1 and Drawings, and as instructed by the Engineer	set	6.0			
176	C.2 Fittings: Supply, delivery and installation of DI Mechanical Coupling 200mm dia for VC at Jhupra pipeline, PN-16 rated, including bolts, gaskets, and required hardware as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 5.4 and Drawings, and as instructed by the Engineer	set	2.0			
177	C.2 Fittings: Supply, delivery and installation of DI Flanged Tail piece 200 mm dia for VC at Jhupra pipeline, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer	Nos.	2.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
178	C.2 Fittings: Supply, delivery and installation of DI Flanged Tee 200x150 mm dia for VC at Jhupra pipeline, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer	Nos.	1.0			
179	C.2 Fittings: Supply, delivery and installation of DI sluice valve 200mm dia flanged type for VC at Jhupra pipeline, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 5.1 and Drawings, and as instructed by the Engineer	Nos.	1.0			
180	C.2 Fittings: Supply, delivery and installation of DI GV-150-PN16 for VC at Jhupra pipeline, PN-16 rated, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 5.1 and Drawings, and as instructed by the Engineer	Nos.	1.0			
181	C.2 Fittings: Supply, delivery and installation of MS flange 150mm dia 12mm thickness for VC at Jhupra pipeline, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer	set	1.0			
182	C.2 Fittings: Supply, delivery and installation of PN 16 HDPE adaptor 160mm dia for VC at Jhupra pipeline, PN-16 rated, including jointing fittings and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer	Nos.	1.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
183	C.2 Fittings: Supply, delivery and installation of 160X140 mm dia PE100 Electrofusion Reducer for VC at Jhupra pipeline, PN-16 rated, including jointing fittings, adaptors, and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer	Nos.	1.0			
184	C.2 Fittings: Supply, delivery and installation of DI sluice valve 200mm dia flanged type for VC at Jhupra pipeline, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 5.1 and Drawings, and as instructed by the Engineer	Nos.	1.0			
185	C.2 Fittings: Supply, delivery and installation of Double flanged DI Tail piece 200mm dia for VC at Jhupra pipeline, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer	Nos.	1.0			
186	C.2 Fittings: Supply, delivery and installation of 200 mm dia Bulk flow meter for VC at Jhupra pipeline, PN- 16 rated, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 5.3 and Drawings, and as instructed by the Engineer	Nos.	1.0			
187	C.2 Fittings: Supply, delivery and installation of Double flanged DI reducer 200mmx 150mm dia for VC at Jhupra pipeline, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer	Nos.	1.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
188	C.2 Fittings: Supply, delivery and installation of MS flange 150mm dia 12mm thickness for VC at Jhupra pipeline, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer	set	1.0			
189	C.2 Fittings: Supply, delivery and installation of PN 16 HDPE adaptor 160mm dia for VC at Jhupra pipeline, PN-16 rated, including jointing fittings and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer	Nos.	1.0			
190	C.2 Fittings: Supply, delivery and installation of PE100 Electrofusion Reducer 180x160mm dia. for VC at Jhupra pipeline, PN-16 rated, including jointing fittings, adaptors, and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 3.2 and Drawings, and as instructed by the Engineer	Nos.	1.0			
191	C.2 Fittings: Supply, delivery and installation of DI Bell mouth 200 mm dia for VC at Jhupra pipeline, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer	Nos.	1.0			
192	C.2 Fittings: Supply, delivery and installation of DI Mechanical Coupling 200mm dia for VC at Jhupra pipeline, PN-16 rated, including bolts, gaskets, and required hardware as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 5.4 and Drawings, and as instructed by the Engineer	Nos.	1.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
193	C.2 Fittings: Supply, delivery and installation of DI Flanged Tail piece 200 mm dia for VC at Jhupra pipeline, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer	Nos.	1.0			
194	C.2 Fittings: Supply, delivery and installation of GV-150-PN16 for VC at Jhupra pipeline, PN-16 rated, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 5.1 and Drawings, and as instructed by the Engineer	Nos.	1.0			
195	C.2 Fittings: Supply, delivery and installation of Double flanged DI reducer 200mmx 150mm dia for VC at Jhupra pipeline, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer	Nos.	1.0			
196	C.2 Fittings: Supply, delivery and installation of MS flange 150mm dia 12mm thickness for VC at Jhupra pipeline, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer	set	1.0			
197	C.2 Fittings: Supply, delivery and installation of PN 16 HDPE Flange adaptor 160mm dia for VC at Jhupra pipeline, PN-16 rated, including jointing fittings and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer	Nos.	1.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
198	C.2 Fittings: Supply, delivery and installation of 140 mm dia PE100 Electrofusion Bend for Pipe line, PN- 16 rated, including jointing fittings, adaptors, and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 3.2, 4.5 and Drawings, and as instructed by the Engineer	Nos.	5.0			
199	C.2 Fittings: Supply, delivery and installation of 180mm dia PE100 Electrofusion bend for Pipe line, PN- 16 rated, including jointing fittings, adaptors, and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 3.2, 4.5 and Drawings, and as instructed by the Engineer	Nos.	5.0			
200	C.2 Fittings: Supply, delivery and installation of 180mm dia PE100 Electrofusion Tee for Pipe line, PN-16 rated, including jointing fittings, adaptors, and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 3.2, 4.5 and Drawings, and as instructed by the Engineer	Nos.	4.0			
201	C.2 Fittings: Supply, delivery and installation of 180X90 mm dia PE100 Electrofusion Reducer for Pipe line, PN-16 rated, including jointing fittings, adaptors, and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 3.2, 4.5 and Drawings, and as instructed by the Engineer	Nos.	4.0			
202	C.2 Fittings: Supply, delivery and installation of 80/90 mm dia GI/HDPE flange set for Pipe line, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer	Nos.	4.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
203	C.2 Fittings: Supply, delivery and installation of 80mm dia. GM gate valve for Pipe line, PN-16 rated, including flanges, gaskets, bolts, and testing accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 5.5 and Drawings, and as instructed by the Engineer	Nos.	4.0			
204	C.2 Fittings: Supply, delivery and installation of 200mm dia MS flange 22 mm thickness for Pipe line, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer	set	2.0			
205	C.2 Fittings: Supply, delivery and installation of 225 mm dia HDPE adaptor for Pipe line, PN-16 rated, including jointing fittings and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer	Nos.	2.0			
206	C.2 Fittings: Supply, delivery and installation of PE 100 Electrofusion Reducer 250x225mm dia for Pipe line, PN-16 rated, including jointing fittings, adaptors, and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 3.2, 4.5 and Drawings, and as instructed by the Engineer	Nos.	2.0			
207	C.2 Fittings: Supply, delivery and installation of 250mm dia PE 100 electrofusion coupler for Pipe line, PN-16 rated, including jointing fittings, adaptors, and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 3.2, 4.5 and Drawings, and as instructed by the Engineer	set	2.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
208	C.2 Fittings: Supply, delivery and installation of GI Pipe 80mm dia MC for BPT-Inlet, including jointing materials and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.7 and Drawings, and as instructed by the Engineer	m	0.9			
209	C.2 Fittings: Supply, delivery and installation of GI Elbow 80mm dia. for BPT-Inlet, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.7 and Drawings, and as instructed by the Engineer	Nos.	1.0			
210	C.2 Fittings: Supply, delivery and installation of 80/90mm dia GI/HDPE flange for BPT-Inlet, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer	set	1.0			
211	C.2 Fittings: Supply, delivery and installation of GI pipe 100mm dia MC for Outlet, including jointing materials and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.7 and Drawings, and as instructed by the Engineer	m	0.9			
212	C.2 Fittings: Supply, delivery and installation of GI Socket 100mm dia for Outlet, PN-16 rated, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.7 and Drawings, and as instructed by the Engineer	Nos.	1.0			
213	C.2 Fittings: Supply, delivery and installation of GI/HDPE flange 100/110 mm for Outlet, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer	set	1.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
214	C.2 Fittings: Supply, delivery and installation of GI pipe 100mm dia MC for Washout, including jointing materials and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.7 and Drawings, and as instructed by the Engineer	m	0.9			
215	C.2 Fittings: Supply, delivery and installation of GI end cap 100 mm dia. for Washout, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.7 and Drawings, and as instructed by the Engineer	Nos.	1.0			
216	C.2 Fittings: Supply, delivery and installation of GI pipe 100mm dia MC for Overflow, including jointing materials and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.7 and Drawings, and as instructed by the Engineer	m	0.5			
217	C.2 Fittings: Supply, delivery and installation of GI/HDPE flange 100/110 mm for Overflow, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer	set	1.0			
218	C.2 Fittings: Supply, delivery and installation of HDPE Reducer 110x90mm dia for Overflow, PN-16 rated, including jointing fittings and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer	Nos.	1.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
219	C.2 Fittings: Supply, delivery and installation of 300 mm dia. Flanged D. I. Bell mouth for Itram Khola Intake, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer	pc	1.0			
220	C.2 Fittings: Supply, delivery and installation of 300 mm D.I. Gate Valve for Itram Khola Intake, PN-16 rated, including flanges, gaskets, bolts, and testing accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 5.1 and Drawings, and as instructed by the Engineer	pc	1.0			
221	C.2 Fittings: Supply, delivery and installation of 300 mm D.I. / 325 mm HDPE flange set adapter Connecting 325 mm dia. HDPE pipe for Itram Khola Intake, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer	pc	2.0			
222	C.2 Fittings: Supply, delivery and installation of 15 mm C.I. air valve for Itram Khola Intake, PN-16 rated, including flanges, gaskets, bolts, and testing accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 5.1 and Drawings, and as instructed by the Engineer	pc	1.0			
223	C.2 Fittings: Supply, delivery and installation of 15 mm dia. G.I. pipe (H) for Itram Khola Intake, including jointing materials and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.7 and Drawings, and as instructed by the Engineer	m	2.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
224	C.2 Fittings: Supply, delivery and installation of 15 mm socket fitted saddle ferrule over 325 mm dia. HDPE pipe for Itram Khola Intake, PN-16 rated, including jointing fittings and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer	pc	1.0			
225	C.2 Fittings: Supply, delivery and installation of 300 mm dia. flanged end D.I. Pipe for Itram Khola Intake, PN- 16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer	m	3.0			
226	C.2 Fittings: Supply, delivery and installation of DI double flange (200*150)mm reducer for Dhawa Khola (Tributary Khola of Itram Khola) Intake, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer	pc	1.0			
227	C.2 Fittings: Supply, delivery and installation of (150*150*15)mm unequal tee for Dhawa Khola (Tributary Khola of Itram Khola) Intake, PN-16 rated, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer	pc	1.0			
228	C.2 Fittings: Supply, delivery and installation of 300 mm long 150 mm dia. G.I. nipple (H) for Dhawa Khola (Tributary Khola of Itram Khola) Intake, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.7 and Drawings, and as instructed by the Engineer	pc	2.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
229	C.2 Fittings: Supply, delivery and installation of 150 mm G.I. flange set for Dhawa Khola (Tributary Khola of Itram Khola) Intake, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.7 and Drawings, and as instructed by the Engineer	pc	1.0			
230	C.2 Fittings: Supply, delivery and installation of 150mm G.I. /HDPE flange set with adaptor for Dhawa Khola (Tributary Khola of Itram Khola) Intake, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.7 and Drawings, and as instructed by the Engineer	pc	1.0			
231	C.2 Fittings: Supply, delivery and installation of 15 mm dia. G.I. elbow for Dhawa Khola (Tributary Khola of Itram Khola) Intake, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.7 and Drawings, and as instructed by the Engineer	pc	1.0			
232	C.2 Fittings: Supply, delivery and installation of 150 mm dia. D.I. Sluice Valve for Dhawa Khola (Tributary Khola of Itram Khola) Intake, PN-16 rated, including flanges, gaskets, bolts, and testing accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 5.1 and Drawings, and as instructed by the Engineer	pc	1.0			
233	C.2 Fittings: Supply, delivery and installation of 15 mm dia. G.I. pipe (H) for Dhawa Khola (Tributary Khola of Itram Khola) Intake, including jointing materials and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.7 and Drawings, and as instructed by the Engineer	m	2.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
234	C.2 Fittings: Supply, delivery and installation of 150 mm dia. G.I. Pipe (H) for Dhawa Khola (Tributary Khola of Itram Khola) Intake, including jointing materials and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer C.2 Fittings: Supply, delivery and installation of 15 mm dia. G.I. pipe (H) for Dhawa Khola (Tributary Khola of Itram Khola) Intake, including jointing materials and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.7 and Drawings, and as instructed by the Engineer	m	6.0			
235	C.2 Fittings: Supply, delivery and installation of 15 mm C.I. air valve for Dhawa Khola (Tributary Khola of Itram Khola) Intake, PN-16 rated, including flanges, gaskets, bolts, and testing accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 5.1 and Drawings, and as instructed by the Engineer	pc	1.0			
236	C.2 Fittings: Supply, delivery and installation of DI double flange (200*150)mm reducer for Khorke Khola Intake-Pipeline, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer	pc	1.0			
237	C.2 Fittings: Supply, delivery and installation of (150*150*15)mm unequal tee for Khorke Khola Intake- Pipeline, PN-16 rated, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.7 and Drawings, and as instructed by the Engineer	pc	1.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
238	C.2 Fittings: Supply, delivery and installation of 300 mm long 150 mm dia. G.I. nipple (H) for Khorke Khola Intake-Pipeline, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.7 and Drawings, and as instructed by the Engineer	pc	2.0			
239	C.2 Fittings: Supply, delivery and installation of 150 mm G.I. flange set for Khorke Khola Intake-Pipeline, PN- 16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.7 and Drawings, and as instructed by the Engineer	pc	1.0			
240	C.2 Fittings: Supply, delivery and installation of 150mm G.I. /HDPE flange set with adaptor for Khorke Khola Intake-Pipeline, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer.	pc	1.0			
241	C.2 Fittings: Supply, delivery and installation of 15 mm dia. G.I. elbow for Khorke Khola Intake-Pipeline, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.7 and Drawings, and as instructed by the Engineer.	pc	1.0			
242	C.2 Fittings: Supply, delivery and installation of 150 mm dia. D.I. Sluice Valve for Khorke Khola Intake- Pipeline, PN-16 rated, including flanges, gaskets, bolts, and testing accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 5.1 and Drawings, and as instructed by the Engineer.	pc	1.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
243	C.2 Fittings: Supply, delivery and installation of 15 mm dia. G.I. pipe (H) for Khorke Khola Intake-Pipeline, including jointing materials and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.7 and Drawings, and as instructed by the Engineer.	m	2.0			
244	C.2 Fittings: Supply, delivery and installation of 150 mm dia. G.I. Pipe (H) for Khorke Khola Intake-Pipeline, including jointing materials and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.7 and Drawings, and as instructed by the Engineer.	m	6.0			
245	C.2 Fittings: Supply, delivery and installation of 15 mm C.I. air valve for Khorke Khola Intake-Pipeline, PN-16 rated, including flanges, gaskets, bolts, and testing accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 5.1 and Drawings, and as instructed by the Engineer.	pc	1.0			
246	C.2 Fittings: Supply, delivery and installation of 100mm Dia. (GI Heavy Class ) pipe 1.50mtr long one end threaded for Washout of 4nos.Intakes( Bansapani, Itram, Khorke Khola and Dhawa Khola), including jointing materials and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	4.0			
247	C.2 Fittings: Supply, delivery and installation of 100mm dia. GI Nipple 250mm long (Heavy Class) for Washout of 4nos. Intakes( Bansapani, Itram, Khorke Khola and Dhava Khola), including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.7 and Drawings, and as instructed by the Engineer.	Nos.	4.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
248	C.2 Fittings: Supply, delivery and installation of 100mm dia. Gun metal Gate Valve for Washout of 4nos. Intakes( Bansapani, Itram, Khorke Khola and Dhava Khola), PN-16 rated, including flanges, gaskets, bolts, and testing accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 5.1 and Drawings, and as instructed by the Engineer.	Nos.	4.0			
249	C.2 Fittings: Supply, delivery and installation of 100mm dia. GI/HDPE flange set with adopter / gasket for Washout of 4nos. Intakes( Bansapani, Itram, Khorke Khola and Dhava Khola), PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer.	no	4.0			
250	C.2 Fittings: Supply, delivery and installation of 110mm dia. PE 100 HDPE PN6 pipe for Washout of 4nos. Intakes( Bansapani, Itram, Khorke Khola and Dhava Khola), including jointing fittings and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer.	m	24.0			
251	C.2 Fittings: Supply, delivery and installation of 250 mm DI Flanged Pipe for Inlet, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	m	20.0			
252	C.2 Fittings: Supply, delivery and installation of DI double flanged 90 deg Bend 250 mm for Inlet, PN-16 rated, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	5.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
253	C.2 Fittings: Supply, delivery and installation of DI all Flanged Equal TEE 250 mm for Inlet, PN-16 rated, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	1.0			
254	C.2 Fittings: Supply, delivery and installation of Bulk Flow Meter 250 mm for Inlet, PN-16 rated, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 5.3 and Drawings, and as instructed by the Engineer.	Nos.	2.0			
255	C.2 Fittings: Supply, delivery and installation of Gate Valve 250 mm for Inlet, PN-16 rated, including flanges, gaskets, bolts, and testing accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 5.1 and Drawings, and as instructed by the Engineer.	Nos.	2.0			
256	C.2 Fittings: Supply, delivery and installation of Dismantling Joint 250 mm for Inlet, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 5.4 and Drawings, and as instructed by the Engineer.	Nos.	2.0			
257	C.2 Fittings: Supply, delivery and installation of DI DFTP, 250 mm for Inlet, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	4.0			
258	C.2 Fittings: Supply, delivery and installation of SFTP, 250 mm for Inlet, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	4.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
259	C.2 Fittings: Supply, delivery and installation of DI Puddle Flange, 250 mm for Inlet, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	2.0			
260	C.2 Fittings: Supply, delivery and installation of DI Bell Mouth 250 mm for Inlet, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	2.0			
261	C.2 Fittings: Supply, delivery and installation of DI Strainer, 300 mm for Outlet, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	4.0			
262	C.2 Fittings: Supply, delivery and installation of DI DFTP, 300 mm for Outlet, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	12.0			
263	C.2 Fittings: Supply, delivery and installation of DI SFTP, 300 mm for Outlet, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	4.0			
264	C.2 Fittings: Supply, delivery and installation of Puddle Flange, 300 mm for Outlet, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer.	Nos.	4.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
265	C.2 Fittings: Supply, delivery and installation of DI Bend 90 deg 300 mm for Outlet, PN-16 rated, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer.	Nos.	4.0			
266	C.2 Fittings: Supply, delivery and installation of Gate Valve 300 mm for Outlet, PN-16 rated, including flanges, gaskets, bolts, and testing accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 5.1 and Drawings, and as instructed by the Engineer.	Nos.	4.0			
267	C.2 Fittings: Supply, delivery and installation of DI Dismantling Joint 300 mm All Flanged Equal Tee for Outlet, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	8.0			
268	C.2 Fittings: Supply, delivery and installation of DI Equal Tee 300 mm for Outlet, PN-16 rated, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	2.0			
269	C.2 Fittings: Supply, delivery and installation of Bulk Flow Meter, 300 mm for Outlet, PN-16 rated, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 5.3 and Drawings, and as instructed by the Engineer.	Nos.	4.0			
270	C.2 Fittings: Supply, delivery and installation of 300 mm DI Flanged Pipe for Outlet, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	m	10.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
271	C.2 Fittings: Supply, delivery and installation of DI Puddle Flange 200 mm for Over Flow and Washout, PN- 16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	4.0			
272	C.2 Fittings: Supply, delivery and installation of DFTP 200 for Over Flow and Washout, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	6.0			
273	C.2 Fittings: Supply, delivery and installation of 90 deg Bend 200 mm for Over Flow and Washout, PN-16 rated, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	6.0			
274	C.2 Fittings: Supply, delivery and installation of SFTP 200 mm for Over Flow and Washout, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	6.0			
275	C.2 Fittings: Supply, delivery and installation of DI Equal TEE 200 mm for Over Flow and Washout, PN-16 rated, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	2.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
276	C.2 Fittings: Supply, delivery and installation of Gate Valve 200 mm for Over Flow and Washout, PN-16 rated, including flanges, gaskets, bolts, and testing accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 5.1 and Drawings, and as instructed by the Engineer.	Nos.	2.0			
277	C.2 Fittings: Supply, delivery and installation of DI Dismantling Joint 200 mm for Over Flow and Washout, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	2.0			
278	C.2 Fittings: Supply, delivery and installation of DI flanged Pipe 150 mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	m	20.0			
279	C.2 Fittings: Supply, delivery and installation of DI Flanged Pipe 100 mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	m	15.0			
280	C.2 Fittings: Supply, delivery and installation of Equal TEE 150 mm, PN-16 rated, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	no	2.0			
281	C.2 Fittings: Supply, delivery and installation of Equal TEE 100 mm, PN-16 rated, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	1.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
282	C.2 Fittings: Supply, delivery and installation of Gate Valve 150 mm, PN-16 rated, including flanges, gaskets, bolts, and testing accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 5.1 and Drawings, and as instructed by the Engineer.	Nos.	2.0			
283	C.2 Fittings: Supply, delivery and installation of Gate Valve 100 mm, PN-16 rated, including flanges, gaskets, bolts, and testing accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 5.1 and Drawings, and as instructed by the Engineer.	Nos.	1.0			
284	C.2 Fittings: Supply, delivery and installation of Mechanical Coupling 150 mm, PN-16 rated, including bolts, gaskets, and required hardware as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 5.4 and Drawings, and as instructed by the Engineer.	Nos.	2.0			
285	C.2 Fittings: Supply, delivery and installation of Mechanical Coupling 100 mm, PN-16 rated, including bolts, gaskets, and required hardware as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 5.4 and Drawings, and as instructed by the Engineer.	Nos.	1.0			
286	C.2 Fittings: Supply, delivery and installation of DFTP 150 mm, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	5.0			
287	C.2 Fittings: Supply, delivery and installation of DFTP 100 mm, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	5.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
288	C.2 Fittings: Supply, delivery and installation of SFTP 150 mm, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	2.0			
289	C.2 Fittings: Supply, delivery and installation of SFTP 100 mm, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	2.0			
290	C.2 Fittings: Supply, delivery and installation of 90 deg bend 150 mm, PN-16 rated, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	5.0			
291	C.2 Fittings: Supply, delivery and installation of 90 deg bends 100 mm, PN-16 rated, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	3.0			
292	C.2 Fittings: Supply, delivery and installation of Puddle flange 150 mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	2.0			
293	C.2 Fittings: Supply, delivery and installation of Puddle Flange 100 mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	2.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
294	C.2 Fittings: Supply, delivery and installation of DI flange adopter Dia. 300 mm for Chambers Butterfly valve Chamber, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	12.0			
295	C.2 Fittings: Supply, delivery and installation of DI flange adopter Dia. 350mm for Butterfly valve Chamber, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	4.0			
296	C.2 Fittings: Supply, delivery and installation of DI flange adopter Dia. 500mm for Butterfly valve Chamber, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	6.0			
297	C.2 Fittings: Supply, delivery and installation of DI Puddle Flanged Dia. 350mm for Butterfly valve Chamber, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	4.0			
298	C.2 Fittings: Supply, delivery and installation of DI Puddle Flanged Dia. 500mm for Butterfly valve Chamber, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	6.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
299	C.2 Fittings: Supply, delivery and installation of DI Self Restraining Dismantling Joint Dia. 350mm for Butterfly valve Chamber, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	2.0			
300	C.2 Fittings: Supply, delivery and installation of DI Self Restraining Dismantling Joint Dia. 500mm for Butterfly valve Chamber, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	8.0			
301	C.2 Fittings: Supply, delivery and installation of DI HDPE Flange Adaptor Dia. 75mm for Gate Valve Chamber, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer.	Nos.	636.0			
302	C.2 Fittings: Supply, delivery and installation of DI HDPE Flange Adaptor Dia. 90mm for Gate Valve Chamber, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer.	Nos.	708.0			
303	C.2 Fittings: Supply, delivery and installation of DI HDPE Flange Adaptor Dia. 110mm for Gate Valve Chamber, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer.	Nos.	645.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
304	C.2 Fittings: Supply, delivery and installation of DI HDPE Flange Adaptor Dia. 140mm for Gate Valve Chamber, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer.	Nos.	288.0			
305	C.2 Fittings: Supply, delivery and installation of DI HDPE Flange Adaptor Dia. 160mm for Gate Valve Chamber, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer.	Nos.	66.0			
306	C.2 Fittings: Supply, delivery and installation of DI HDPE Flange Adaptor Dia. 180mm for Gate Valve Chamber, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer.	Nos.	249.0			
307	C.2 Fittings: Supply, delivery and installation of DI HDPE Flange Adaptor Dia. 200mm for Gate Valve Chamber, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer.	Nos.	12.0			
308	C.2 Fittings: Supply, delivery and installation of DI HDPE Flange Adaptor Dia. 225mm for Gate Valve Chamber, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer.	Nos.	66.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
309	C.2 Fittings: Supply, delivery and installation of DI HDPE Flange Adaptor Dia. 250mm for Gate Valve Chamber, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer.	Nos.	18.0			
310	C.2 Fittings: Supply, delivery and installation of DI HDPE Flange Adaptor Dia. 280mm for Gate Valve Chamber, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer.	Nos.	9.0			
311	C.2 Fittings: Supply, delivery and installation of DI HDPE Flange Adaptor Dia. 315mm for Gate Valve Chamber, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer.	Nos.	12.0			
312	C.2 Fittings: Supply, delivery and installation of EF couplers Dia. 75mm for Gate Valve Chamber, PN-16 rated, including jointing fittings, adaptors, and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer.	Nos.	424.0			
313	C.2 Fittings: Supply, delivery and installation of EF couplers Dia. 90mm for Gate Valve Chamber, PN-16 rated, including jointing fittings, adaptors, and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer.	Nos.	472.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
314	C.2 Fittings: Supply, delivery and installation of EF couplers Dia. 110mm for Gate Valve Chamber, PN- 16 rated, including jointing fittings, adaptors, and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer.	Nos.	430.0			
315	C.2 Fittings: Supply, delivery and installation of EF couplers Dia. 140mm for Gate Valve Chamber, PN- 16 rated, including jointing fittings, adaptors, and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer.	Nos.	192.0			
316	C.2 Fittings: Supply, delivery and installation of EF couplers Dia. 160mm for Gate Valve Chamber, PN- 16 rated, including jointing fittings, adaptors, and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer.	Nos.	44.0			
317	C.2 Fittings: Supply, delivery and installation of EF couplers Dia. 180mm for Gate Valve Chamber, PN- 16 rated, including jointing fittings, adaptors, and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer.	Nos.	166.0			
318	C.2 Fittings: Supply, delivery and installation of EF couplers Dia. 200mm for Gate Valve Chamber, PN- 16 rated, including jointing fittings, adaptors, and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer.	Nos.	8.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
319	C.2 Fittings: Supply, delivery and installation of EF couplers Dia. 225mm for Gate Valve Chamber, PN- 16 rated, including jointing fittings, adaptors, and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer.	Nos.	44.0			
320	C.2 Fittings: Supply, delivery and installation of EF couplers Dia. 250mm for Gate Valve Chamber, PN- 16 rated, including jointing fittings, adaptors, and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer.	Nos.	12.0			
321	C.2 Fittings: Supply, delivery and installation of EF couplers Dia. 280mm for Gate Valve Chamber, PN- 16 rated, including jointing fittings, adaptors, and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer.	Nos.	6.0			
322	C.2 Fittings: Supply, delivery and installation of EF couplers Dia. 315mm for Gate Valve Chamber, PN- 16 rated, including jointing fittings, adaptors, and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer.	Nos.	8.0			
323	C.2 Fittings: Supply, delivery and installation of DI flanged Unequal TEE Dia. 300x100mm for Air Valve Chamber, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	15.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
324	C.2 Fittings: Supply, delivery and installation of DI flanged Unequal TEE Dia. 250x50mm for Air Valve Chamber, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	14.0			
325	C.2 Fittings: Supply, delivery and installation of DI flanged Unequal TEE Dia. 500mmx100mm for Air Valve Chamber, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	4.0			
326	C.2 Fittings: Supply, delivery and installation of DI Puddle Flanged Dia. 250mm for Air Valve Chamber, PN- 16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	30.0			
327	C.2 Fittings: Supply, delivery and installation of DI Puddle Flanged Dia. 300mm for Air Valve Chamber, PN- 16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	30.0			
328	C.2 Fittings: Supply, delivery and installation of DI Puddle Flanged Dia. 500mm for Air Valve Chamber, PN- 16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	8.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
329	C.2 Fittings: Supply, delivery and installation of DI flange Socket Dia. 500mm for Air Valve Chamber, PN- 16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	8.0			
330	C.2 Fittings: Supply, delivery and installation of DI HDPE Flange Adaptor Dia. 250 mm for Air Valve Chamber, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer.	Nos.	28.0			
331	C.2 Fittings: Supply, delivery and installation of DI HDPE Flange Adaptor Dia. 300 mm for Air Valve Chamber, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer.	Nos.	30.0			
332	C.2 Fittings: Supply, delivery and installation of DI Flanged Pipe Dia. 150 mm for Air Valve Chamber, PN- 16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	m	111.0			
333	C.2 Fittings: Supply, delivery and installation of DFTP-500mm Dia. 150 mm for Air Valve Chamber, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	33.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
334	C.2 Fittings: Supply, delivery and installation of DFTP-1000 mm Dia. 150 mm for Air Valve Chamber, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	33.0			
335	C.2 Fittings: Supply, delivery and installation of Flanged Bend 90 deg Dia. 150 mm for Air Valve Chamber, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	66.0			
336	C.2 Fittings: Supply, delivery and installation of Fusion Saddle clamp for HDPE Pipe for installation of Air Valve Dia. 180-315X50 mm for Air Valve Chamber, PN-16 rated, including flanges, gaskets, bolts, and testing accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer.	Nos.	99.0			
337	C.2 Fittings: Supply, delivery and installation of Fusion Saddle clamp for PVCO Pipe for installation of Air Valve Dia. 180-315X50 mm for Air Valve Chamber, PN-16 rated, including flanges, gaskets, bolts, and testing accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.6 and Drawings, and as instructed by the Engineer.	Nos.	49.0			
338	C.2 Fittings: Supply, delivery and installation of HDPE EF Tee Dia. 225mmx50mm for Fusion Saddle clamp for HDPE Pipe for installation of Air Valve Dia. 180-315X50 mm, PN-16 rated, including jointing fittings and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer.	Nos.	24.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
339	C.2 Fittings: Supply, delivery and installation of HDPE EF Tee Dia. 250mmx50mm for Fusion Saddle clamp for HDPE Pipe for installation of Air Valve Dia. 180-315X50 mm, PN-16 rated, including jointing fittings and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer.	Nos.	71.0			
340	C.2 Fittings: Supply, delivery and installation of HDPE EF Tee Dia. 280mmx50mm for Fusion Saddle clamp for HDPE Pipe for installation of Air Valve Dia. 180-315X50 mm, PN-16 rated, including jointing fittings and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer.	Nos.	44.0			
341	C.2 Fittings: Supply, delivery and installation of HDPE EF Tee Dia. 315mmx50mm for Fusion Saddle clamp for HDPE Pipe for installation of Air Valve Dia. 180-315X50 mm, PN-16 rated, including jointing fittings and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer.	Nos.	46.0			
342	C.2 Fittings: Supply, delivery and installation of DI Tangential/Invert All Flanged TEE Dia. 300x90mm for Fusion Saddle clamp for HDPE Pipe for installation of Air Valve Dia. 180- 315X50 mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	5.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
343	C.2 Fittings: Supply, delivery and installation of DI Tangential/Invert All Flanged TEE Dia. 500x150mm for Fusion Saddle clamp for HDPE Pipe for installation of Air Valve Dia. 180- 315X50 mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	4.0			
344	C.2 Fittings: Supply, delivery and installation of HDPE EF 45 deg. Bend Dia. 50mm for Fusion Saddle clamp for HDPE Pipe for installation of Air Valve Dia. 180-315X50 mm, PN-16 rated, including jointing fittings and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer.	Nos.	148.0			
345	C.2 Fittings: Supply, delivery and installation of DI HDPE Flange Adaptor Dia. 50mm for Fusion Saddle clamp for HDPE Pipe for installation of Air Valve Dia. 180-315X50 mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer.	Nos.	444.0			
346	C.2 Fittings: Supply, delivery and installation of DI HDPE Flange Adaptor Dia. 150mm for Fusion Saddle clamp for HDPE Pipe for installation of Air Valve Dia. 180- 315X50 mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer.	Nos.	16.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
347	C.2 Fittings: Supply, delivery and installation of DI Puddle Flanged Dia. 150mm for Fusion Saddle clamp for HDPE Pipe for installation of Air Valve Dia. 180-315X50 mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	4.0			
348	C.2 Fittings: Supply, delivery and installation of HDPE Pipe Dia. 50mm for Fusion Saddle clamp for HDPE Pipe for installation of Air Valve Dia. 180-315X50 mm, including jointing fittings and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer.	M	888.0			
349	C.2 Fittings: Supply, delivery and installation of HDPE Pipe Dia. 160mm for Fusion Saddle clamp for HDPE Pipe for installation of Air Valve Dia. 180-315X50 mm, including jointing fittings and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer.	M	24.0			
350	C.2 Fittings: Supply, delivery and installation of EF couplers Dia. 50mm for Fusion Saddle clamp for HDPE Pipe for installation of Air Valve Dia. 180-315X50 mm, PN-16 rated, including jointing fittings, adaptors, and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer.	Nos.	444.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
351	C.2 Fittings: Supply, delivery and installation of EF couplers Dia. 160mm for Fusion Saddle clamp for HDPE Pipe for installation of Air Valve Dia. 180-315X50 mm, PN-16 rated, including jointing fittings, adaptors, and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer.	Nos.	16.0			
352	C.2 Fittings: Supply, delivery and installation of HDPE EF Tee Dia. 140mmx90mm for EF couplers Dia. 50mm, PN-16 rated, including jointing fittings and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer.	Nos.	52.0			
353	C.2 Fittings: Supply, delivery and installation of HDPE Pipe Dia. 90mm for EF couplers Dia. 50mm, including jointing fittings and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer.	m	312.0			
354	C.2 Fittings: Supply, delivery and installation of HDPE Pipe Dia. 110mm for EF couplers Dia. 50mm, including jointing fittings and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer.	m	282.0			
355	C.2 Fittings: Supply, delivery and installation of DI HDPE Flange Adaptor Dia. 90mm for EF couplers Dia. 50mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer.	Nos.	156.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
356	C.2 Fittings: Supply, delivery and installation of DI HDPE Flange Adaptor Dia. 100mm for EF couplers Dia. 50mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	188.0			
357	C.2 Fittings: Supply, delivery and installation of EF couplers Dia. 90mm for EF couplers Dia. 50mm, PN-16 rated, including jointing fittings, adaptors, and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer.	Nos.	156.0			
358	C.2 Fittings: Supply, delivery and installation of EF couplers Dia. 110mm for EF couplers Dia. 50mm, PN-16 rated, including jointing fittings, adaptors, and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer.	Nos.	188.0			
359	C.2 Fittings: Supply, delivery and installation of Single Flanged Pipe 1000 mm. Dia. 100mm for EF couplers Dia. 50mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	47.0			
360	C.2 Fittings: Supply, delivery and installation of DI flange adopter Dia. 80mm for EF couplers Dia. 50mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	m	52.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
361	C.2 Fittings: Supply, delivery and installation of DI flange adopter Dia. 100mm for EF couplers Dia. 50mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	47.0			
362	C.2 Fittings: Supply, delivery and installation of DI flanged 90 deg duck foot bend Dia. 80mm for EF couplers Dia. 50mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	52.0			
363	C.2 Fittings: Supply, delivery and installation of DI flanged 90 deg duck foot bend Dia. 100mm for EF couplers Dia. 50mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	47.0			
364	C.2 Fittings: Supply, delivery and installation of Double Flange Pipe DI, DN 100mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	m	512.0			
365	C.2 Fittings: Supply, delivery and installation of Double Flange Pipe DI, DN 125mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	m	252.0			
366	C.2 Fittings: Supply, delivery and installation of Double Flange Pipe DI, DN 150 mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	m	510.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
367	C.2 Fittings: Supply, delivery and installation of Double Flange Pipe DI, DN 200 mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	m	1414.0			
368	C.2 Fittings: Supply, delivery and installation of Double Socket Restrained Bend 45 deg., 400 mm, PN-16 rated, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	no	8.0			
369	C.2 Fittings: Supply, delivery and installation of Double Spigot Full length Restrained Pipe, 40mm, PN-16 rated, including jointing materials and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	m	61.0			
370	C.2 Fittings: Supply, delivery and installation of Double Spigot Restrained Piece, 400 mm, PN-16 rated, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	4.0			
371	C.2 Fittings: Supply, delivery and installation of Ductile Iron Back Ring , DN 100mm, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	32.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
372	C.2 Fittings: Supply, delivery and installation of Ductile Iron Back Ring , DN 125mm, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	12.0			
373	C.2 Fittings: Supply, delivery and installation of Ductile Iron Back Ring , DN 150 mm, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	10.0			
374	C.2 Fittings: Supply, delivery and installation of Ductile Iron Back Ring , DN 200 mm, including all necessary accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	14.0			
375	C.2 Fittings: Supply, delivery and installation of DI Flanged 45 deg bend, DN 100mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 Clause 4 and Drawings, and as instructed by the Engineer.	Nos.	128.0			
376	C.2 Fittings: Supply, delivery and installation of DI Flanged 45 deg bend, DN 125mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	48.0			
377	C.2 Fittings: Supply, delivery and installation of DI Flanged 45 deg bend, DN 150 mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 Clause 4 and Drawings, and as instructed by the Engineer.	Nos.	40.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
378	C.2 Fittings: Supply, delivery and installation of DI Flanged 45 deg bend, DN 200 mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	56.0			
379	C.2 Fittings: Supply, delivery and installation of Flanged Adapter Restrained, DN 100mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer.	Nos.	64.0			
380	C.2 Fittings: Supply, delivery and installation of Flanged Adapter Restrained, DN 125mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer.	Nos.	24.0			
381	C.2 Fittings: Supply, delivery and installation of Flanged Adapter Restrained, DN 150 mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer.	Nos.	20.0			
382	C.2 Fittings: Supply, delivery and installation of Flanged Adapter Restrained, DN 200 mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS and Drawings, and as instructed by the Engineer.	Nos.	28.0			
383	C.2 Fittings: Supply, delivery and installation of Flanged Equal TEE, DN 100mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	32.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
384	C.2 Fittings: Supply, delivery and installation of Flanged Equal TEE, DN 125mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	12.0			
385	C.2 Fittings: Supply, delivery and installation of Flanged Equal TEE, DN 150 mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	10.0			
386	C.2 Fittings: Supply, delivery and installation of Flanged Equal TEE, DN 200 mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	14.0			
387	C.2 Fittings: Supply, delivery and installation of Flange Equal TEE, 400 mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	2.0			
388	C.2 Fittings: Supply, delivery and installation of Flanged Reducer, DN 100X 50 mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	32.0			
389	C.2 Fittings: Supply, delivery and installation of Flanged Reducer, DN 125X 50 mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	12.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
390	C.2 Fittings: Supply, delivery and installation of Flanged Reducer, DN 150X 50 mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	10.0			
391	C.2 Fittings: Supply, delivery and installation of Flanged Reducer, DN 200X 50 mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	14.0			
392	C.2 Fittings: Supply, delivery and installation of Flanged Reducer, 400 X 80 mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	2.0			
393	C.2 Fittings: Supply, delivery and installation of HDPE Stub End, DN 100mm, including jointing fittings and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer.	Nos.	32.0			
394	C.2 Fittings: Supply, delivery and installation of HDPE Stub End, DN 125mm, including jointing fittings and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer.	Nos.	12.0			
395	C.2 Fittings: Supply, delivery and installation of HDPE Stub End, DN 150 mm, including jointing fittings and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer.	Nos.	10.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
396	C.2 Fittings: Supply, delivery and installation of HDPE Stub End , DN 200 mm, including jointing fittings and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.5 and Drawings, and as instructed by the Engineer.	Nos.	14.0			
397	C.2 Fittings: Supply, delivery and installation of Single Flanged Pipe DI, DN 100mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	96.0			
398	C.2 Fittings: Supply, delivery and installation of Single Flanged Pipe DI, DN 125mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	36.0			
399	C.2 Fittings: Supply, delivery and installation of Single Flanged Pipe DI, DN 150 mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	30.0			
400	C.2 Fittings: Supply, delivery and installation of Single Flanged Pipe DI, DN 200 mm, PN-16 rated, including gaskets, bolts, and nuts as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	42.0			
401	C.2 Fittings: Supply, delivery and installation of Socket Spigot Restrained Full Length Pipe with Weld Bead, 400 mm, PN-16 rated, including jointing materials and installation accessories as per specification SECTION VII-C: WORKS REQUIREMENTS Clause 4.4 and Drawings, and as instructed by the Engineer.	Nos.	11.0			
<b>12 Construction work</b>						

## 12.1 Work No. C3: Supply and Installation of Valves

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
1	C.3 Valves: Supply and Installation of following size DI double flanged, double eccentric Butterfly Valves PN16 with manual gear , all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS, Clause 5.1. and Drawings, and as instructed by the Engineer, with all lead and lift DN 350mm	Nos.	6.0			
2	C.3 Valves: Supply and Installation of following size DI double flanged, double eccentric Butterfly Valves PN16 with manual gear , all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS, Clause 5.1. and Drawings, and as instructed by the Engineer, with all lead and lift DN 500mm	Nos.	3.0			
3	C.3 Valves: Supply and Installation of following size DI double flanged, double eccentric Butterfly Valves PN16 with manual gear , all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS, Clause 5.1. and Drawings, and as instructed by the Engineer, with all lead and lift DN 800mm	Nos.	1.0			
4	C.3 Valves: Supply and Installation of following size DI double flanged Gate Valves PN16, including extension spindle and operating nut with protection HDPE pipeline when buried or handwheel when installed in chambers, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 5.1 and Drawings, and as instructed by the Engineer, with all lead and lift DN 65mm	Nos.	360.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
5	C.3 Valves: Supply and Installation of following size DI double flanged Gate Valves PN16, including extension spindle and operating nut with protection HDPE pipeline when buried or handwheel when installed in chambers, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 5.1 and Drawings, and as instructed by the Engineer, with all lead and lift DN 80mm	Nos.	288.0			
6	C.3 Valves: Supply and Installation of following size DI double flanged Gate Valves PN16, including extension spindle and operating nut with protection HDPE pipeline when buried or handwheel when installed in chambers, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 5.1 and Drawings, and as instructed by the Engineer, with all lead and lift DN 100mm	Nos.	266.0			
7	C.3 Valves: Supply and Installation of following size DI double flanged Gate Valves PN16, including extension spindle and operating nut with protection HDPE pipeline when buried or handwheel when installed in chambers, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 5.1 and Drawings, and as instructed by the Engineer, with all lead and lift DN 125mm	Nos.	96.0			
8	C.3 Valves: Supply and Installation of following size DI double flanged Gate Valves PN16, including extension spindle and operating nut with protection HDPE pipeline when buried or handwheel when installed in chambers, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 5.1 and Drawings, and as instructed by the Engineer, with all lead and lift DN 150mm	Nos.	109.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
9	C.3 Valves: Supply and Installation of following size DI double flanged Gate Valves PN16, including extension spindle and operating nut with protection HDPE pipeline when buried or handwheel when installed in chambers, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 5.1 and Drawings, and as instructed by the Engineer, with all lead and lift DN 200mm	Nos.	26.0			
10	C.3 Valves: Supply and Installation of following size DI double flanged Gate Valves PN16, including extension spindle and operating nut with protection HDPE pipeline when buried or handwheel when installed in chambers, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 5.1 and Drawings, and as instructed by the Engineer, with all lead and lift DN 250mm	Nos.	9.0			
11	C.3 Valves: Supply and Installation of following size DI double flanged Gate Valves PN16, including extension spindle and operating nut with protection HDPE pipeline when buried or handwheel when installed in chambers, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 5.1 and Drawings, and as instructed by the Engineer, with all lead and lift DN 300mm	Nos.	4.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
12	C.3 Valves: Supply and installation of flanged Double Orifice Air Valves PN16, with a large orifice which allows large volumes of air to be exhausted from or admitted into a system as it is filled or drained, and a smaller orifice which automatically vent small pockets of air as they accumulate at points in a system while is operating and pressurized, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 5.1 and Drawings, and as instructed by the Engineer, with all lead and lift DN 50mm	Nos.	241.0			
13	C.3 Valves: Supply and installation of flanged Double Orifice Air Valves PN16, with a large orifice which allows large volumes of air to be exhausted from or admitted into a system as it is filled or drained, and a smaller orifice which automatically vent small pockets of air as they accumulate at points in a system while is operating and pressurized, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 5.1 and Drawings, and as instructed by the Engineer, with all lead and lift DN 100mm	Nos.	4.0			
14	C.3 Valves: Supply and installation of DI Flap Valve Flange mounted PN16 for Wash-outs, circular aperture, single door and double hinges, hinge pins SS 316, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 5.1 and Drawings, and as instructed by the Engineer, with all lead and lift DN 50mm	Nos.	134.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
15	C.3 Valves: Supply and installation of DI Flap Valve Flange mounted PN16 for Wash-outs, circular aperture, single door and double hinges, hinge pins SS 316, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 5.1 and Drawings, and as instructed by the Engineer, with all lead and lift DN 150mm	Nos.	4.0			
16	C.3 Valves: Supply and installation of Fire Hydrant stand post (column) type or Underground Hydrant Type with all necessary accessories (nozzles, caps, etc.), all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 5.1 and Drawings, and as instructed by the Engineer, with all lead and lift DN 80mm	Nos.	78.0			
17	C.3 Valves: Supply and installation of Fire Hydrant stand post (column) type or Underground Hydrant Type with all necessary accessories (nozzles, caps, etc.), all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 5.1 and Drawings, and as instructed by the Engineer, with all lead and lift DN 100mm	Nos.	69.0			
<b>13 Construction work</b>						
13.1 Work No. C4: Supply and Installation of Service Connections						
Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
1	C.4 Service Connection: Supply and Installation of HDPE PE100 PN16 Electro-fusion Tapping Saddle Tee with Under-clamp with all needed electrofusion couplers to be connected to the pipelines, for connect service connections to distribution pipelines (first diameter pipeline to connect, second diameter offtake connection), including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 5.2 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 75/90/110 mm to 15 mm	Nos.	26059.0			
2	C.4 Service Connection: Supply and Installation of HDPE PE100 PN16 Electro-fusion Tapping Saddle Tee with Under-clamp with all needed electrofusion couplers to be connected to the pipelines, for connect service connections to distribution pipelines (first diameter pipeline to connect, second diameter offtake connection), including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 5.2 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 75/90/110 mm to 20 mm	Nos.	545.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
3	C.4 Service Connection: Supply and Installation of HDPE PE100 PN16 Electro-fusion Tapping Saddle Tee with Under-clamp with all needed electrofusion couplers to be connected to the pipelines, for connect service connections to distribution pipelines (first diameter pipeline to connect, second diameter offtake connection), including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 5.2 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 75/90/110 mm to 25 mm	Nos.	212.0			
4	C.4 Service Connection: Supply and Installation of HDPE PE100 PN16 Electro-fusion Tapping Saddle Tee with Under-clamp with all needed electrofusion couplers to be connected to the pipelines, for connect service connections to distribution pipelines (first diameter pipeline to connect, second diameter offtake connection), including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 5.2 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 75/90/110 mm to 32 mm	Nos.	48.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
5	C.4 Service Connection: Supply and Installation of HDPE PE100 PN16 Electro-fusion Tapping Saddle Tee with Under-clamp with all needed electrofusion couplers to be connected to the pipelines, for connect service connections to distribution pipelines (first diameter pipeline to connect, second diameter offtake connection), including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 5.2 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 75/90/110 mm to 40 mm	Nos.	34.0			
6	C.4 Service Connection: Supply and Installation of HDPE PE100 PN16 Electro-fusion Tapping Saddle Tee with Under-clamp with all needed electrofusion couplers to be connected to the pipelines, for connect service connections to distribution pipelines (first diameter pipeline to connect, second diameter offtake connection), including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 5.2 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 125/140/160 mm to 15 mm	Nos.	6522.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
7	C.4 Service Connection: Supply and Installation of HDPE PE100 PN16 Electro-fusion Tapping Saddle Tee with Under-clamp with all needed electrofusion couplers to be connected to the pipelines, for connect service connections to distribution pipelines (first diameter pipeline to connect, second diameter offtake connection), including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 5.2 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 125/140/160 mm to 20 mm	Nos.	144.0			
8	C.4 Service Connection: Supply and Installation of HDPE PE100 PN16 Electro-fusion Tapping Saddle Tee with Under-clamp with all needed electrofusion couplers to be connected to the pipelines, for connect service connections to distribution pipelines (first diameter pipeline to connect, second diameter offtake connection), including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 5.2 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 125/140/160 mm to 25 mm	Nos.	63.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
9	C.4 Service Connection: Supply and Installation of HDPE PE100 PN16 Electro-fusion Tapping Saddle Tee with Under-clamp with all needed electrofusion couplers to be connected to the pipelines, for connect service connections to distribution pipelines (first diameter pipeline to connect, second diameter offtake connection), including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 5.2 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 125/140/160 mm to 32 mm	Nos.	28.0			
10	C.4 Service Connection: Supply and Installation of HDPE PE100 PN16 Electro-fusion Tapping Saddle Tee with Under-clamp with all needed electrofusion couplers to be connected to the pipelines, for connect service connections to distribution pipelines (first diameter pipeline to connect, second diameter offtake connection), including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 5.2 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 125/140/160 mm to 40 mm	Nos.	28.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
11	C.4 Service Connection: Supply and Installation of HDPE PE100 PN16 Electro-fusion Tapping Saddle Tee with Under-clamp with all needed electrofusion couplers to be connected to the pipelines, for connect service connections to distribution pipelines (first diameter pipeline to connect, second diameter offtake connection), including storing properly, loading at store, delivery to site, unload, distribute, multiple handling, jointing, detectable warning tape at specified levels, all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 5.2 and Drawings, and as instructed by the Engineer, with all lead and lift. DN 125/140/160 mm to 50 mm	Nos.	2.0			
12	C.4 Service Connection: Supply and Installation of all HDPE PE100 PN16 pipes, fittings, specials and accessories Service Connection Section from Tapping Saddle to Property Boundary, including, Earthwork excavation, Backfilling with compaction, shoring, Dewatering temporary end cap, all civil works except reinstatement all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 5.2 and Drawings, and as instructed by the Engineer, with all lead and lift, for the following water meter diameters: 15mm dia	Nos.	32561.0			
13	C.4 Service Connection: Supply and Installation of all HDPE PE100 PN16 pipes, fittings, specials and accessories Service Connection Section from Tapping Saddle to Property Boundary, including, Earthwork excavation, Backfilling with compaction, shoring, Dewatering temporary end cap, all civil works except reinstatement all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 5.2 and Drawings, and as instructed by the Engineer, with all lead and lift, for the following water meter diameters: 20mm dia	Nos.	669.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
14	C.4 Service Connection: Supply and Installation of all HDPE PE100 PN16 pipes, fittings, specials and accessories Service Connection Section from Tapping Saddle to Property Boundary, including, Earthwork excavation, Backfilling with compaction, shoring, Dewatering temporary end cap, all civil works except reinstatement all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 5.2 and Drawings, and as instructed by the Engineer, with all lead and lift, for the following water meter diameters: 25mm dia	Nos.	251.0			
15	C.4 Service Connection: Supply and Installation of all HDPE PE100 PN16 pipes, fittings, specials and accessories Service Connection Section from Tapping Saddle to Property Boundary, including, Earthwork excavation, Backfilling with compaction, shoring, Dewatering temporary end cap, all civil works except reinstatement all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 5.2 and Drawings, and as instructed by the Engineer, with all lead and lift, for the following water meter diameters: 32mm dia	Nos.	49.0			
16	C.4 Service Connection: Supply and Installation of all HDPE PE100 PN16 pipes, fittings, specials and accessories Service Connection Section from Tapping Saddle to Property Boundary, including, Earthwork excavation, Backfilling with compaction, shoring, Dewatering temporary end cap, all civil works except reinstatement all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 5.2 and Drawings, and as instructed by the Engineer, with all lead and lift, for the following water meter diameters: 40mm dia	Nos.	34.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
17	C.4 Service Connection: Supply and Installation of all HDPE PE100 PN16 pipes, fittings, specials and accessories Service Connection Section from Tapping Saddle to Property Boundary, including, Earthwork excavation, Backfilling with compaction, shoring, Dewatering temporary end cap, all civil works except reinstatement all complete as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 5.2 and Drawings, and as instructed by the Engineer, with all lead and lift, for the following water meter diameters: 50mm dia	Nos.	2.0			
18	C.4 Service Connection: Supply and Installation of water supply Consumer Connections sections from property boundary to water meter set, all complete; as specified in Section VII- C Technical Specification Clause 5.2 and as shown on Drawings Nos. TP-2- 1 and TP-2-2, and collection of consumer details and load the data onto the database of Employer's Server as instructed by the Engineer, with all lead and lift. 15mm dia	Nos.	32561.0			
19	C.4 Service Connection: Supply and Installation of water supply Consumer Connections sections from property boundary to water meter set, all complete; as specified in Section VII- C Technical Specification Clause 5.2 and as shown on Drawings Nos. TP-2- 1 and TP-2-2, and collection of consumer details and load the data onto the database of Employer's Server as instructed by the Engineer, with all lead and lift. 20mm dia	Nos.	669.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
20	C.4 Service Connection: Supply and Installation of water supply Consumer Connections sections from property boundary to water meter set, all complete; as specified in Section VII- C Technical Specification Clause 5.2 and as shown on Drawings Nos. TP-2- 1 and TP-2-2, and collection of consumer details and load the data onto the database of Employer's Server as instructed by the Engineer, with all lead and lift. 25mm dia	Nos.	251.0			
21	C.4 Service Connection: Supply and Installation of water supply Consumer Connections sections from property boundary to water meter set, all complete; as specified in Section VII- C Technical Specification Clause 5.2 and as shown on Drawings Nos. TP-2- 1 and TP-2-2, and collection of consumer details and load the data onto the database of Employer's Server as instructed by the Engineer, with all lead and lift. 32mm dia	Nos.	48.0			
22	C.4 Service Connection: Supply and Installation of water supply Consumer Connections sections from property boundary to water meter set, all complete; as specified in Section VII- C Technical Specification Clause 5.2 and as shown on Drawings Nos. TP-2- 1 and TP-2-2, and collection of consumer details and load the data onto the database of Employer's Server as instructed by the Engineer, with all lead and lift. 40mm dia	Nos.	34.0			
23	C.4 Service Connection: Supply and Installation of water supply Consumer Connections sections from property boundary to water meter set, all complete; as specified in Section VII- C Technical Specification Clause 5.2 and as shown on Drawings Nos. TP-2- 1 and TP-2-2, and collection of consumer details and load the data onto the database of Employer's Server as instructed by the Engineer, with all lead and lift. 50mm dia	Nos.	2.0			

**14 Construction work**

## 14.1 Work No. C5: Testing and Disinfection Work

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
1	C.5 Testing and Disinfection Works : Successful Hydraulic Sectional Pressure and/or Leakage Test of Primary Pipelines, in completed installed stretches, including supply of potable water, all labor, materials and equipment, safe disposal of water and sealing the pipe ends after the test, all complete work, as per SECTION VII- C: WORKS REQUIREMENTS Clause 3.3 and engineer's instructions, of following Pipe Size: DN 500mm	m	1098.0			
2	C.5 Testing and Disinfection Works: Cleaning, Flushing and Disinfection of completed installed stretches of Primary Pipelines, including supply of potable water, all labor, materials and equipment, and safe disposal of water after test, all complete work, as per SECTION VII-C: WORKS REQUIREMENTS Clause 3.2.5.13 and engineer's instructions, of following Pipe Size: DN 500mm	m	1098.0			
3	C.5 Testing and Disinfection Works: Cleaning and Flushing of completed installed stretches of Distribution Pipelines, including supply of potable water, all labor, materials and equipment, and safe disposal of water after test, all complete work, as per SECTION VII-C: WORKS REQUIREMENTS Clause 3.4 and engineer's instructions, of following Pipe Size: DN 315mm	m	1287.0			
4	C.5 Testing and Disinfection Works: Cleaning and Flushing of completed installed stretches of Distribution Pipelines, including supply of potable water, all labor, materials and equipment, and safe disposal of water after test, all complete work, as per SECTION VII-C: WORKS REQUIREMENTS Clause 3.4 and engineer's instructions, of following Pipe Size: DN 250mm	m	3401.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
5	C.5 Testing and Disinfection Works: Cleaning and Flushing of completed installed stretches of Distribution Pipelines, including supply of potable water, all labor, materials and equipment, and safe disposal of water after test, all complete work, as per SECTION VII-C: WORKS REQUIREMENTS Clause 3.4 and engineer's instructions, of following Pipe Size: DN 200mm	m	3938.0			
6	C.5 Testing and Disinfection Works: Cleaning and Flushing of completed installed stretches of Distribution Pipelines, including supply of potable water, all labor, materials and equipment, and safe disposal of water after test, all complete work, as per SECTION VII-C: WORKS REQUIREMENTS Clause 3.4 and engineer's instructions, of following Pipe Size: DN 160mm	m	28224.0			
7	C.5 Testing and Disinfection Works: Cleaning and Flushing of completed installed stretches of Distribution Pipelines, including supply of potable water, all labor, materials and equipment, and safe disposal of water after test, all complete work, as per SECTION VII-C: WORKS REQUIREMENTS Clause 3.4 and engineer's instructions, of following Pipe Size: DN 140 mm	m	11826.0			
8	C.5 Testing and Disinfection Works: Cleaning and Flushing of completed installed stretches of Distribution Pipelines, including supply of potable water, all labor, materials and equipment, and safe disposal of water after test, all complete work, as per SECTION VII-C: WORKS REQUIREMENTS Clause 3.4 and engineer's instructions, of following Pipe Size: DN 110mm	m	114143.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
9	C.5 Testing and Disinfection Works: Cleaning and Flushing of completed installed stretches of Distribution Pipelines, including supply of potable water, all labor, materials and equipment, and safe disposal of water after test, all complete work, as per SECTION VII-C: WORKS REQUIREMENTS Clause 3.4 and engineer's instructions, of following Pipe Size: DN 90mm	m	191773.0			
10	C.5 Testing and Disinfection Works: Cleaning and Flushing of completed installed stretches of Distribution Pipelines, including supply of potable water, all labor, materials and equipment, and safe disposal of water after test, all complete work, as per SECTION VII-C: WORKS REQUIREMENTS Clause 3.4 and engineer's instructions, of following Pipe Size: DN 75mm	m	328071.0			
11	C.5 Testing and Disinfection Works: Successful Functional Guarantee Tests of each DMA Distribution Network for final taking-over, with DMA Full Hydraulic Leakage and Disinfection Test for 24 hours and 7 days trial run period , including all labor, materials and equipment, customer communication campaign, disinfection procedure with chlorine and disinfection equipment, leakage testing with installed pressure points and inlet flow meter with dataloggers, safe disposal of water, testing and final reporting, as specified in SECTION VII-C: WORKS REQUIRMENTS Clause 3.5 and as instructed by the Engineer DMA-1	L.S	1.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
12	C.5 Testing and Disinfection Works: Successful Functional Guarantee Tests of each DMA Distribution Network for final taking-over, with DMA Full Hydraulic Leakage and Disinfection Test for 24 hours and 7 days trial run period , including all labor, materials and equipment, customer communication campaign, disinfection procedure with chlorine and disinfection equipment, leakage testing with installed pressure points and inlet flow meter with dataloggers, safe disposal of water, testing and final reporting, as specified in SECTION VII-C: WORKS REQUIRMENTS Clause 3.5 and as instructed by the Engineer DMA-2	L.S	1.0			
13	C.5 Testing and Disinfection Works: Successful Functional Guarantee Tests of each DMA Distribution Network for final taking-over, with DMA Full Hydraulic Leakage and Disinfection Test for 24 hours and 7 days trial run period , including all labor, materials and equipment, customer communication campaign, disinfection procedure with chlorine and disinfection equipment, leakage testing with installed pressure points and inlet flow meter with dataloggers, safe disposal of water, testing and final reporting, as specified in SECTION VII-C: WORKS REQUIRMENTS Clause 3.5 and as instructed by the Engineer DMA-3	L.S	1.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
14	C.5 Testing and Disinfection Works: Successful Functional Guarantee Tests of each DMA Distribution Network for final taking-over, with DMA Full Hydraulic Leakage and Disinfection Test for 24 hours and 7 days trial run period , including all labor, materials and equipment, customer communication campaign, disinfection procedure with chlorine and disinfection equipment, leakage testing with installed pressure points and inlet flow meter with dataloggers, safe disposal of water, testing and final reporting, as specified in SECTION VII-C: WORKS REQUIRMENTS Clause 3.5 and as instructed by the Engineer DMA-4	L.S	1.0			
15	C.5 Testing and Disinfection Works: Successful Functional Guarantee Tests of each DMA Distribution Network for final taking-over, with DMA Full Hydraulic Leakage and Disinfection Test for 24 hours and 7 days trial run period , including all labor, materials and equipment, customer communication campaign, disinfection procedure with chlorine and disinfection equipment, leakage testing with installed pressure points and inlet flow meter with dataloggers, safe disposal of water, testing and final reporting, as specified in SECTION VII-C: WORKS REQUIRMENTS Clause 3.5 and as instructed by the Engineer DMA-5	L.S	1.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
16	C.5 Testing and Disinfection Works: Successful Functional Guarantee Tests of each DMA Distribution Network for final taking-over, with DMA Full Hydraulic Leakage and Disinfection Test for 24 hours and 7 days trial run period , including all labor, materials and equipment, customer communication campaign, disinfection procedure with chlorine and disinfection equipment, leakage testing with installed pressure points and inlet flow meter with dataloggers, safe disposal of water, testing and final reporting, as specified in SECTION VII-C: WORKS REQUIRMENTS Clause 3.5 and as instructed by the Engineer DMA-6	L.S	1.0			
17	C.5 Testing and Disinfection Works: Successful Functional Guarantee Tests of each DMA Distribution Network for final taking-over, with DMA Full Hydraulic Leakage and Disinfection Test for 24 hours and 7 days trial run period , including all labor, materials and equipment, customer communication campaign, disinfection procedure with chlorine and disinfection equipment, leakage testing with installed pressure points and inlet flow meter with dataloggers, safe disposal of water, testing and final reporting, as specified in SECTION VII-C: WORKS REQUIRMENTS Clause 3.5 and as instructed by the Engineer DMA-7	L.S	1.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
18	C.5 Testing and Disinfection Works: Successful Functional Guarantee Tests of each DMA Distribution Network for final taking-over, with DMA Full Hydraulic Leakage and Disinfection Test for 24 hours and 7 days trial run period , including all labor, materials and equipment, customer communication campaign, disinfection procedure with chlorine and disinfection equipment, leakage testing with installed pressure points and inlet flow meter with dataloggers, safe disposal of water, testing and final reporting, as specified in SECTION VII-C: WORKS REQUIRMENTS Clause 3.5 and as instructed by the Engineer DMA-8	L.S	1.0			
19	C.5 Testing and Disinfection Works: Successful Functional Guarantee Tests of each DMA Distribution Network for final taking-over, with DMA Full Hydraulic Leakage and Disinfection Test for 24 hours and 7 days trial run period , including all labor, materials and equipment, customer communication campaign, disinfection procedure with chlorine and disinfection equipment, leakage testing with installed pressure points and inlet flow meter with dataloggers, safe disposal of water, testing and final reporting, as specified in SECTION VII-C: WORKS REQUIRMENTS Clause 3.5 and as instructed by the Engineer DMA-9	L.S	1.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
20	C.5 Testing and Disinfection Works: Successful Functional Guarantee Tests of each DMA Distribution Network for final taking-over, with DMA Full Hydraulic Leakage and Disinfection Test for 24 hours and 7 days trial run period , including all labor, materials and equipment, customer communication campaign, disinfection procedure with chlorine and disinfection equipment, leakage testing with installed pressure points and inlet flow meter with dataloggers, safe disposal of water, testing and final reporting, as specified in SECTION VII-C: WORKS REQUIRMENTS Clause 3.5 and as instructed by the Engineer DMA-10	L.S	1.0			
21	C.5 Testing and Disinfection Works: Successful Functional Guarantee Tests of each DMA Distribution Network for final taking-over, with DMA Full Hydraulic Leakage and Disinfection Test for 24 hours and 7 days trial run period , including all labor, materials and equipment, customer communication campaign, disinfection procedure with chlorine and disinfection equipment, leakage testing with installed pressure points and inlet flow meter with dataloggers, safe disposal of water, testing and final reporting, as specified in SECTION VII-C: WORKS REQUIRMENTS Clause 3.5 and as instructed by the Engineer DMA-11	L.S	1.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
22	C.5 Testing and Disinfection Works: Successful Functional Guarantee Tests of each DMA Distribution Network for final taking-over, with DMA Full Hydraulic Leakage and Disinfection Test for 24 hours and 7 days trial run period , including all labor, materials and equipment, customer communication campaign, disinfection procedure with chlorine and disinfection equipment, leakage testing with installed pressure points and inlet flow meter with dataloggers, safe disposal of water, testing and final reporting, as specified in SECTION VII-C: WORKS REQUIRMENTS Clause 3.5 and as instructed by the Engineer DMA-12	L.S	1.0			
23	C.5 Testing and Disinfection Works: Successful Functional Guarantee Tests of each DMA Distribution Network for final taking-over, with DMA Full Hydraulic Leakage and Disinfection Test for 24 hours and 7 days trial run period , including all labor, materials and equipment, customer communication campaign, disinfection procedure with chlorine and disinfection equipment, leakage testing with installed pressure points and inlet flow meter with dataloggers, safe disposal of water, testing and final reporting, as specified in SECTION VII-C: WORKS REQUIRMENTS Clause 3.5 and as instructed by the Engineer DMA-13	L.S	1.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
24	C.5 Testing and Disinfection Works: Successful Functional Guarantee Tests of each DMA Distribution Network for final taking-over, with DMA Full Hydraulic Leakage and Disinfection Test for 24 hours and 7 days trial run period , including all labor, materials and equipment, customer communication campaign, disinfection procedure with chlorine and disinfection equipment, leakage testing with installed pressure points and inlet flow meter with dataloggers, safe disposal of water, testing and final reporting, as specified in SECTION VII-C: WORKS REQUIRMENTS Clause 3.5 and as instructed by the Engineer DMA-14	L.S	1.0			
25	C.5 Testing and Disinfection Works: Successful Functional Guarantee Tests of each DMA Distribution Network for final taking-over, with DMA Full Hydraulic Leakage and Disinfection Test for 24 hours and 7 days trial run period , including all labor, materials and equipment, customer communication campaign, disinfection procedure with chlorine and disinfection equipment, leakage testing with installed pressure points and inlet flow meter with dataloggers, safe disposal of water, testing and final reporting, as specified in SECTION VII-C: WORKS REQUIRMENTS Clause 3.5 and as instructed by the Engineer DMA-15	L.S	1.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
26	C.5 Testing and Disinfection Works: Successful Functional Guarantee Tests of each DMA Distribution Network for final taking-over, with DMA Full Hydraulic Leakage and Disinfection Test for 24 hours and 7 days trial run period , including all labor, materials and equipment, customer communication campaign, disinfection procedure with chlorine and disinfection equipment, leakage testing with installed pressure points and inlet flow meter with dataloggers, safe disposal of water, testing and final reporting, as specified in SECTION VII-C: WORKS REQUIRMENTS Clause 3.5 and as instructed by the Engineer DMA-16	L.S	1.0			
27	C.5 Testing and Disinfection Works: Successful Functional Guarantee Tests of each DMA Distribution Network for final taking-over, with DMA Full Hydraulic Leakage and Disinfection Test for 24 hours and 7 days trial run period , including all labor, materials and equipment, customer communication campaign, disinfection procedure with chlorine and disinfection equipment, leakage testing with installed pressure points and inlet flow meter with dataloggers, safe disposal of water, testing and final reporting, as specified in SECTION VII-C: WORKS REQUIRMENTS Clause 3.5 and as instructed by the Engineer DMA-17	L.S	1.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
28	C.5 Testing and Disinfection Works: Successful Functional Guarantee Tests of each DMA Distribution Network for final taking-over, with DMA Full Hydraulic Leakage and Disinfection Test for 24 hours and 7 days trial run period , including all labor, materials and equipment, customer communication campaign, disinfection procedure with chlorine and disinfection equipment, leakage testing with installed pressure points and inlet flow meter with dataloggers, safe disposal of water, testing and final reporting, as specified in SECTION VII-C: WORKS REQUIRMENTS Clause 3.5 and as instructed by the Engineer DMA-18	L.S	1.0			
29	C.5 Testing and Disinfection Works: Successful Functional Guarantee Tests of each DMA Distribution Network for final taking-over, with DMA Full Hydraulic Leakage and Disinfection Test for 24 hours and 7 days trial run period , including all labor, materials and equipment, customer communication campaign, disinfection procedure with chlorine and disinfection equipment, leakage testing with installed pressure points and inlet flow meter with dataloggers, safe disposal of water, testing and final reporting, as specified in SECTION VII-C: WORKS REQUIRMENTS Clause 3.5 and as instructed by the Engineer DMA-19	L.S	1.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
30	C.5 Testing and Disinfection Works: Successful Functional Guarantee Tests of each DMA Distribution Network for final taking-over, with DMA Full Hydraulic Leakage and Disinfection Test for 24 hours and 7 days trial run period , including all labor, materials and equipment, customer communication campaign, disinfection procedure with chlorine and disinfection equipment, leakage testing with installed pressure points and inlet flow meter with dataloggers, safe disposal of water, testing and final reporting, as specified in SECTION VII-C: WORKS REQUIRMENTS Clause 3.5 and as instructed by the Engineer DMA-20	L.S	1.0			
31	C.5 Testing and Disinfection Works: Successful Functional Guarantee Tests of each DMA Distribution Network for final taking-over, with DMA Full Hydraulic Leakage and Disinfection Test for 24 hours and 7 days trial run period , including all labor, materials and equipment, customer communication campaign, disinfection procedure with chlorine and disinfection equipment, leakage testing with installed pressure points and inlet flow meter with dataloggers, safe disposal of water, testing and final reporting, as specified in SECTION VII-C: WORKS REQUIRMENTS Clause 3.5 and as instructed by the Engineer DMA-21	L.S	1.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
32	C.5 Testing and Disinfection Works: Successful Functional Guarantee Tests of each DMA Distribution Network for final taking-over, with DMA Full Hydraulic Leakage and Disinfection Test for 24 hours and 7 days trial run period , including all labor, materials and equipment, customer communication campaign, disinfection procedure with chlorine and disinfection equipment, leakage testing with installed pressure points and inlet flow meter with dataloggers, safe disposal of water, testing and final reporting, as specified in SECTION VII-C: WORKS REQUIRMENTS Clause 3.5 and as instructed by the Engineer DMA-22	L.S	1.0			
33	C.5 Testing and Disinfection Works: Successful Functional Guarantee Tests of each DMA Distribution Network for final taking-over, with DMA Full Hydraulic Leakage and Disinfection Test for 24 hours and 7 days trial run period , including all labor, materials and equipment, customer communication campaign, disinfection procedure with chlorine and disinfection equipment, leakage testing with installed pressure points and inlet flow meter with dataloggers, safe disposal of water, testing and final reporting, as specified in SECTION VII-C: WORKS REQUIRMENTS Clause 3.5 and as instructed by the Engineer DMA-23	L.S	1.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
34	C.5 Testing and Disinfection Works: Successful Functional Guarantee Tests of each DMA Distribution Network for final taking-over, with DMA Full Hydraulic Leakage and Disinfection Test for 24 hours and 7 days trial run period , including all labor, materials and equipment, customer communication campaign, disinfection procedure with chlorine and disinfection equipment, leakage testing with installed pressure points and inlet flow meter with dataloggers, safe disposal of water, testing and final reporting, as specified in SECTION VII-C: WORKS REQUIRMENTS Clause 3.5 and as instructed by the Engineer DMA-24	L.S	1.0			
35	C.5 Testing and Disinfection Works: Successful Functional Guarantee Tests of each DMA Distribution Network for final taking-over, with DMA Full Hydraulic Leakage and Disinfection Test for 24 hours and 7 days trial run period , including all labor, materials and equipment, customer communication campaign, disinfection procedure with chlorine and disinfection equipment, leakage testing with installed pressure points and inlet flow meter with dataloggers, safe disposal of water, testing and final reporting, as specified in SECTION VII-C: WORKS REQUIRMENTS Clause 3.5 and as instructed by the Engineer DMA-25	L.S	1.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
36	C.5 Testing and Disinfection Works: Successful Functional Guarantee Tests of each DMA Distribution Network for final taking-over, with DMA Full Hydraulic Leakage and Disinfection Test for 24 hours and 7 days trial run period , including all labor, materials and equipment, customer communication campaign, disinfection procedure with chlorine and disinfection equipment, leakage testing with installed pressure points and inlet flow meter with dataloggers, safe disposal of water, testing and final reporting, as specified in SECTION VII-C: WORKS REQUIRMENTS Clause 3.5 and as instructed by the Engineer DMA-26	L.S	1.0			
37	C.5 Testing and Disinfection Works: Successful Functional Guarantee Tests of each DMA Distribution Network for final taking-over, with DMA Full Hydraulic Leakage and Disinfection Test for 24 hours and 7 days trial run period , including all labor, materials and equipment, customer communication campaign, disinfection procedure with chlorine and disinfection equipment, leakage testing with installed pressure points and inlet flow meter with dataloggers, safe disposal of water, testing and final reporting, as specified in SECTION VII-C: WORKS REQUIRMENTS Clause 3.5 and as instructed by the Engineer DMA-27	L.S	1.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
38	C.5 Testing and Disinfection Works: Successful Functional Guarantee Tests of each DMA Distribution Network for final taking-over, with DMA Full Hydraulic Leakage and Disinfection Test for 24 hours and 7 days trial run period , including all labor, materials and equipment, customer communication campaign, disinfection procedure with chlorine and disinfection equipment, leakage testing with installed pressure points and inlet flow meter with dataloggers, safe disposal of water, testing and final reporting, as specified in SECTION VII-C: WORKS REQUIRMENTS Clause 3.5 and as instructed by the Engineer DMA-28	L.S	1.0			

**15 Construction work**

15.1 Work No. C5: Instrumentation and SCADA system

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)

Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
1	<p>C.6 SCADA: Dual Solenoid Hydraulic Diaphragm Control Valve Supply, erection, testing, and commissioning of a Dual Solenoid Hydraulic Diaphragm Control Valve for flow and pressure control, constructed of ductile iron (DI), PN16 rated, and complying with EN 1074-5 standard, with a low opening pressure (valve functioning in min differential pressure) of ? 0.2 bar. Flanged PN16 as per EN 1092-2, the valve shall be complete with stainless steel (SS) tubing with all compression tubing fittings (i.e.. filter/strainer, Needle, check, and Isolation valves, Pressure gauges, 1" Air release/vacuum valve), an IP68-rated solenoid with stainless steel body, and a bypass ball valve arrangement for actuator. All associated sensors and accessories shall be SCADA-compatible and support PLC/RTU. The complete system shall be commissioned in accordance with SECTION VII-C: WORKS REQUIREMENTS Clause 7, the drawings, specifications, and the Engineer's instructions. DN100</p>	Nos.	1.0			

Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
2	<p>C.6 SCADA: Dual Solenoid Hydraulic Diaphragm Control Valve Supply, erection, testing, and commissioning of a Dual Solenoid Hydraulic Diaphragm Control Valve for flow and pressure control, constructed of ductile iron (DI), PN16 rated, and complying with EN 1074-5 standard, with a low opening pressure (valve functioning in min differential pressure) of ? 0.2 bar. Flanged PN16 as per EN 1092-2, the valve shall be complete with stainless steel (SS) tubing with all compression tubing fittings (i.e.. filter/strainer, Needle, check, and Isolation valves, Pressure gauges, 1" Air release/vacuum valve), an IP68-rated solenoid with stainless steel body, and a bypass ball valve arrangement for actuator. All associated sensors and accessories shall be SCADA-compatible and support PLC/RTU. The complete system shall be commissioned in accordance with the SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, specifications, and the Engineer's instructions.</p> <p>DN150</p>	Nos.	6.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
3	<p>C.6 SCADA: Dual Solenoid Hydraulic Diaphragm Control Valve Supply, erection, testing, and commissioning of a Dual Solenoid Hydraulic Diaphragm Control Valve for flow and pressure control, constructed of ductile iron (DI), PN16 rated, and complying with EN 1074-5 standard, with a low opening pressure (valve functioning in min differential pressure) of ? 0.2 bar. Flanged PN16 as per EN 1092-2, the valve shall be complete with stainless steel (SS) tubing with all compression tubing fittings (i.e.. filter/strainer, Needle, check, and Isolation valves, Pressure gauges, 1" Air release/vacuum valve), an IP68-rated solenoid with stainless steel body, and a bypass ball valve arrangement for actuator. All associated sensors and accessories shall be SCADA-compatible and support PLC/RTU. The complete system shall be commissioned in accordance with the SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, specifications, and the Engineer's instructions.</p> <p>DN200</p>	Nos.	12.0			

Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
4	<p>C.6 SCADA: Dual Solenoid Hydraulic Diaphragm Control Valve Supply, erection, testing, and commissioning of a Dual Solenoid Hydraulic Diaphragm Control Valve for flow and pressure control, constructed of ductile iron (DI), PN16 rated, and complying with EN 1074-5 standard, with a low opening pressure (valve functioning in min differential pressure) of ? 0.2 bar. Flanged PN16 as per EN 1092-2, the valve shall be complete with stainless steel (SS) tubing with all compression tubing fittings (i.e.. filter/strainer, Needle, check, and Isolation valves, Pressure gauges, 1" Air release/vacuum valve), an IP68-rated solenoid with stainless steel body, and a bypass ball valve arrangement for actuator. All associated sensors and accessories shall be SCADA-compatible and support PLC/RTU. The complete system shall be commissioned in accordance with the SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, specifications, and the Engineer's instructions.</p> <p>DN250</p>	Nos.	2.0			

Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
5	<p>C.6 SCADA: Dual Solenoid Hydraulic Diaphragm Control Valve Supply, erection, testing, and commissioning of a Dual Solenoid Hydraulic Diaphragm Control Valve for flow and pressure control, constructed of ductile iron (DI), PN16 rated, and complying with EN 1074-5 standard, with a low opening pressure (valve functioning in min differential pressure) of ? 0.2 bar. Flanged PN16 as per EN 1092-2, the valve shall be complete with stainless steel (SS) tubing with all compression tubing fittings (i.e.. filter/strainer, Needle, check, and Isolation valves, Pressure gauges, 1" Air release/vacuum valve), an IP68-rated solenoid with stainless steel body, and a bypass ball valve arrangement for actuator. All associated sensors and accessories shall be SCADA-compatible and support PLC/RTU. The complete system shall be commissioned in accordance with the SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, specifications, and the Engineer's instructions.</p> <p>DN300</p>	Nos.	3.0			

Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
6	<p>C.6 SCADA: Dual Solenoid Hydraulic Diaphragm Control Valve with Altitude Control                      Supply, erection, testing, and commissioning of a Dual Solenoid Hydraulic Diaphragm Control Valve with Altitude Control, constructed of ductile iron (DI), PN16 rated, and complying with EN 1074-5 standard, with automatic altitude control arrangement. Flanged PN16 as per EN 1092-2, the valve shall be complete with stainless steel (SS) tubing with all compression tubing fittings (i.e.. filter/strainer, Needle, check, and Isolation valves, Pressure gauges, 1" Air release/vacuum valve), an IP68-rated solenoid with stainless steel body, and a bypass ball valve arrangement for actuator. All associated sensors and accessories shall be SCADA-compatible and support PLC/RTU. The complete system shall be commissioned in accordance with the SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, specifications, and the Engineer's instructions.                      DN100</p>	Nos.	2.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
7	<p>C.6 SCADA: Dual Solenoid Hydraulic Diaphragm Control Valve with Altitude Control  Supply, erection, testing, and commissioning of a Dual Solenoid Hydraulic Diaphragm Control Valve with Altitude Control, constructed of ductile iron (DI), PN16 rated, and complying with EN 1074-5 standard, with automatic altitude control arrangement. Flanged PN16 as per EN 1092-2, the valve shall be complete with stainless steel (SS) tubing with all compression tubing fittings (i.e.. filter/strainer, Needle, check, and Isolation valves, Pressure gauges, 1" Air release/vacuum valve), an IP68-rated solenoid with stainless steel body, and a bypass ball valve arrangement for actuator. All associated sensors and accessories shall be SCADA-compatible and support PLC/RTU. The complete system shall be commissioned in accordance with the SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, specifications, and the Engineer's instructions.  DN150</p>	Nos.	5.0			

Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
8	<p>C.6 SCADA: Dual Solenoid Hydraulic Diaphragm Control Valve with Altitude Control                      Supply, erection, testing, and commissioning of a Dual Solenoid Hydraulic Diaphragm Control Valve with Altitude Control, constructed of ductile iron (DI), PN16 rated, and complying with EN 1074-5 standard, with automatic altitude control arrangement. Flanged PN16 as per EN 1092-2, the valve shall be complete with stainless steel (SS) tubing with all compression tubing fittings (i.e.. filter/strainer, Needle, check, and Isolation valves, Pressure gauges, 1" Air release/vacuum valve), an IP68-rated solenoid with stainless steel body, and a bypass ball valve arrangement for actuator. All associated sensors and accessories shall be SCADA-compatible and support PLC/RTU. The complete system shall be commissioned in accordance with the SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, specifications, and the Engineer's instructions.                      DN200</p>	Nos.	5.0			

Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
9	<p>C.6 SCADA: Hydraulic Control Valve                      With SCADA Actuated PRV                      Supply, erection, testing, and commissioning of a Hydraulic Control Valve with SCADA Actuated PRV, constructed of ductile iron (DI), PN16 rated, and complying with EN 1074-5 standard, with 4-20mA Actuated PRV control arrangement for remote Pressure and Flow control of the system. Flanged PN16 as per EN 1092-2, the valve shall be complete with stainless steel (SS) tubing with all compression tubing fittings (i.e.. filter/strainer, Needle, check, and Isolation valves, Pressure gauges, 1" Air release/vacuum valve), an IP68-rated 4-20mA Actuated PRV with stainless steel body, and a bypass ball valve arrangement for actuator. All associated sensors and accessories shall be SCADA-compatible and support PLC/RTU. The complete system shall be commissioned in accordance with the SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, specifications, and the Engineer's instructions.                      DN100</p>	Nos.	3.0			

Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
10	<p>C.6 SCADA: Hydraulic Control Valve                      With SCADA Actuated PRV                      Supply, erection, testing, and commissioning of a Hydraulic Control Valve with SCADA Actuated PRV, constructed of ductile iron (DI), PN16 rated, and complying with EN 1074-5 standard, with 4-20mA Actuated PRV control arrangement for remote Pressure and Flow control of the system. Flanged PN16 as per EN 1092-2, the valve shall be complete with stainless steel (SS) tubing with all compression tubing fittings (i.e.. filter/strainer, Needle, check, and Isolation valves, Pressure gauges, 1" Air release/vacuum valve), an IP68-rated 4-20mA Actuated PRV with stainless steel body, and a bypass ball valve arrangement for actuator. All associated sensors and accessories shall be SCADA-compatible and support PLC/RTU. The complete system shall be commissioned in accordance with the SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, specifications, and the Engineer's instructions.                      DN150</p>	Nos.	4.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
11	<p>C.6 SCADA: Hydraulic Control Valve            With SCADA Actuated PRV Supply, erection, testing, and commissioning of a Hydraulic Control Valve with SCADA Actuated PRV, constructed of ductile iron (DI), PN16 rated, and complying with EN 1074-5 standard, with 4-20mA Actuated PRV control arrangement for remote Pressure and Flow control of the system. Flanged PN16 as per EN 1092-2, the valve shall be complete with stainless steel (SS) tubing with all compression tubing fittings (i.e.. filter/strainer, Needle, check, and Isolation valves, Pressure gauges, 1" Air release/vacuum valve), an IP68-rated 4-20mA Actuated PRV with stainless steel body, and a bypass ball valve arrangement for actuator. All associated sensors and accessories shall be SCADA-compatible and support PLC/RTU. The complete system shall be commissioned in accordance with the SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, specifications, and the Engineer's instructions.            DN200</p>	Nos.	3.0			
12	<p>C.6 SCADA: PRV with Hydraulic Pilot            Supply, erection, testing, and commissioning of a hydraulic pilot operated pressure reducing valve for automatic pressure control arrangement, constructed of ductile iron (DI), PN16 rated, and complying with EN 1074-5 standard, with hydraulic pilot control arrangement. Flanged PN16 as per EN 1092-2, the valve shall be complete with stainless steel (SS) tubing with all compression tubing fittings (i.e.. filter/strainer, Needle, check, and Isolation valves, Pressure gauges, 1" Air release/vacuum valve). The complete system shall be commissioned in accordance with the SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, specifications, and the Engineer's instructions.            DN 50</p>	Nos.	2.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
13	<p>C.6 SCADA: PRV with Hydraulic Pilot Supply, erection, testing, and commissioning of a hydraulic pilot operated pressure reducing valve for automatic pressure control arrangement, constructed of ductile iron (DI), PN16 rated, and complying with EN 1074-5 standard, with hydraulic pilot control arrangement. Flanged PN16 as per EN 1092-2, the valve shall be complete with stainless steel (SS) tubing with all compression tubing fittings (i.e.. filter/strainer, Needle, check, and Isolation valves, Pressure gauges, 1" Air release/vacuum valve). The complete system shall be commissioned in accordance with the SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, specifications, and the Engineer's instructions. DN 65</p>	Nos.	2.0			
14	<p>C.6 SCADA: PRV with Hydraulic Pilot Supply, erection, testing, and commissioning of a hydraulic pilot operated pressure reducing valve for automatic pressure control arrangement, constructed of ductile iron (DI), PN16 rated, and complying with EN 1074-5 standard, with hydraulic pilot control arrangement. Flanged PN16 as per EN 1092-2, the valve shall be complete with stainless steel (SS) tubing with all compression tubing fittings (i.e.. filter/strainer, Needle, check, and Isolation valves, Pressure gauges, 1" Air release/vacuum valve). The complete system shall be commissioned in accordance with the SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, specifications, and the Engineer's instructions. DN 80</p>	Nos.	2.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
15	C.6 SCADA: PRV with Hydraulic Pilot Supply, erection, testing, and commissioning of a hydraulic pilot operated pressure reducing valve for automatic pressure control arrangement, constructed of ductile iron (DI), PN16 rated, and complying with EN 1074-5 standard, with hydraulic pilot control arrangement. Flanged PN16 as per EN 1092-2, the valve shall be complete with stainless steel (SS) tubing with all compression tubing fittings (i.e.. filter/strainer, Needle, check, and Isolation valves, Pressure gauges, 1" Air release/vacuum valve). The complete system shall be commissioned in accordance with the SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, specifications, and the Engineer's instructions. DN 100	Nos.	10.0			
16	C.6 SCADA: PRV with Hydraulic Pilot Supply, erection, testing, and commissioning of a hydraulic pilot operated pressure reducing valve for automatic pressure control arrangement, constructed of ductile iron (DI), PN16 rated, and complying with EN 1074-5 standard, with hydraulic pilot control arrangement. Flanged PN16 as per EN 1092-2, the valve shall be complete with stainless steel (SS) tubing with all compression tubing fittings (i.e.. filter/strainer, Needle, check, and Isolation valves, Pressure gauges, 1" Air release/vacuum valve). The complete system shall be commissioned in accordance with the SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, specifications, and the Engineer's instructions. DN 125	Nos.	3.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
17	C.6 SCADA: PRV with Hydraulic Pilot Supply, erection, testing, and commissioning of a hydraulic pilot operated pressure reducing valve for automatic pressure control arrangement, constructed of ductile iron (DI), PN16 rated, and complying with EN 1074-5 standard, with hydraulic pilot control arrangement. Flanged PN16 as per EN 1092-2, the valve shall be complete with stainless steel (SS) tubing with all compression tubing fittings (i.e.. filter/strainer, Needle, check, and Isolation valves, Pressure gauges, 1" Air release/vacuum valve). The complete system shall be commissioned in accordance with the SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, specifications, and the Engineer's instructions. DN 150	Nos.	6.0			
18	C.6 SCADA: PRV with Hydraulic Pilot Supply, erection, testing, and commissioning of a hydraulic pilot operated pressure reducing valve for automatic pressure control arrangement, constructed of ductile iron (DI), PN16 rated, and complying with EN 1074-5 standard, with hydraulic pilot control arrangement. Flanged PN16 as per EN 1092-2, the valve shall be complete with stainless steel (SS) tubing with all compression tubing fittings (i.e.. filter/strainer, Needle, check, and Isolation valves, Pressure gauges, 1" Air release/vacuum valve). The complete system shall be commissioned in accordance with the SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, specifications, and the Engineer's instructions. DN 200	Nos.	4.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
19	C.6 SCADA: Electromagnetic flowmeter Supply, erection, testing, and commissioning of a Electromagnetic Flowmeter with maximum permissible error as Class-1, Rubber/PTFE Liner, Output- RS485 & 4-20mA, IP68 sensor, IP 67 Remote Display, DI Body PN16, flanged PN16 as per EN 1092-2, 12/24VDC powered, SS Electrode, MID certified meter and compliant with the OIMLR49 EN14154, Class-1 Meter. All associated sensors and accessories shall be SCADA-compatible and support PLC/RTU. The complete system shall be commissioned in accordance with the SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, specifications, and the Engineer's instructions. DN65	Nos.	1.0			
20	C.6 SCADA: Electromagnetic flowmeter Supply, erection, testing, and commissioning of a Electromagnetic Flowmeter with maximum permissible error as Class-1, Rubber/PTFE Liner, Output- RS485 & 4-20mA, IP68 sensor, IP 67 Remote Display, DI Body PN16, flanged PN16 as per EN 1092-2, 12/24VDC powered, SS Electrode, MID certified meter and compliant with the OIMLR49 EN14154, Class-1 Meter. All associated sensors and accessories shall be SCADA-compatible and support PLC/RTU. The complete system shall be commissioned in accordance with the SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, specifications, and the Engineer's instructions. DN100	Nos.	7.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
21	C.6 SCADA: Electromagnetic flowmeter Supply, erection, testing, and commissioning of a Electromagnetic Flowmeter with maximum permissible error as Class-1, Rubber/PTFE Liner, Output- RS485 & 4-20mA, IP68 sensor, IP 67 Remote Display, DI Body PN16, flanged PN16 as per EN 1092-2, 12/24VDC powered, SS Electrode, MID certified meter and compliant with the OIMLR49 EN14154, Class-1 Meter. All associated sensors and accessories shall be SCADA-compatible and support PLC/RTU. The complete system shall be commissioned in accordance with the SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, specifications, and the Engineer's instructions. DN150	Nos.	13.0			
22	C.6 SCADA: Electromagnetic flowmeter Supply, erection, testing, and commissioning of a Electromagnetic Flowmeter with maximum permissible error as Class-1, Rubber/PTFE Liner, Output- RS485 & 4-20mA, IP68 sensor, IP 67 Remote Display, DI Body PN16, flanged PN16 as per EN 1092-2, 12/24VDC powered, SS Electrode, MID certified meter and compliant with the OIMLR49 EN14154, Class-1 Meter. All associated sensors and accessories shall be SCADA-compatible and support PLC/RTU. The complete system shall be commissioned in accordance with the SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, specifications, and the Engineer's instructions. DN200	Nos.	18.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
23	C.6 SCADA: Electromagnetic flowmeter Supply, erection, testing, and commissioning of a Electromagnetic Flowmeter with maximum permissible error as Class-1, Rubber/PTFE Liner, Output- RS485 & 4-20mA, IP68 sensor, IP 67 Remote Display, DI Body PN16, flanged PN16 as per EN 1092-2, 12/24VDC powered, SS Electrode, MID certified meter and compliant with the OIMLR49 EN14154, Class-1 Meter. All associated sensors and accessories shall be SCADA-compatible and support PLC/RTU. The complete system shall be commissioned in accordance with the SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, specifications, and the Engineer's instructions. DN250	Nos.	2.0			
24	C.6 SCADA: Electromagnetic flowmeter Supply, erection, testing, and commissioning of a Electromagnetic Flowmeter with maximum permissible error as Class-1, Rubber/PTFE Liner, Output- RS485 & 4-20mA, IP68 sensor, IP 67 Remote Display, DI Body PN16, flanged PN16 as per EN 1092-2, 12/24VDC powered, SS Electrode, MID certified meter and compliant with the OIMLR49 EN14154, Class-1 Meter. All associated sensors and accessories shall be SCADA-compatible and support PLC/RTU. The complete system shall be commissioned in accordance with the SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, specifications, and the Engineer's instructions. DN300	Nos.	2.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
25	C.6 SCADA: Data logger Supply, erection, testing, and commissioning of a Data Logger with an inbuilt pressure sensor, equipped with LTE/4G communication module for remote data transmission. The unit shall be IP68-rated, Inbuilt battery- powered (5yr life), capable of recording, storing, and transmitting pressure/flow related data at user- defined intervals. It shall support SCADA/central server integration through standard protocols, have sufficient onboard memory for data backup during network downtime, and include all necessary accessories, cabling, connectors, and mounting arrangements, complete in all respects as per SECTION VII-C: WORKS REQUIREMENTS Clause 7, specifications and the Engineer's instructions.	Nos.	29.0			
26	C.6 SCADA: Double Eccentric Butterfly Motorized Operated Valve Supply, erection, testing, and commissioning of Double Eccentric Butterfly Motorized Operated Valve (MOV) with ductile iron (DI) body and disc, stainless steel shaft, PN16 pressure rating, and epoxy-coated interior/exterior as per ISO 12944. The valve shall be of double eccentric design to ensure low operating torque, long sealing life, and bidirectional sealing capability. The actuator shall be an IP68-rated, weatherproof, electric motorized actuator (ON/OFF and modulating type) with manual override, torque/limit switches, Auto, remote, and Local control facility. The actuator shall be SCADA-compatible with 4–20 mA/RS-485 communication output and a fail-safe feature. The complete system shall be commissioned in accordance with the SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, specifications, and the Engineer's instructions. Size: DN150	Nos.	2.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
27	<p>C.6 SCADA: RTU control Panel Supply, erection, testing, and commissioning of PLC/RTU Panel with integrated communication modem (GSM/LTE/4G) for remote monitoring and control, complete with necessary I/O modules, power supply, protection devices, SIM cards and SCADA-compatible interface. The system shall include communication and power cables, a suitably sized solar photovoltaic array with a charge controller and battery bank to provide uninterrupted operation, considering autonomy for multiple cloudy days.</p> <p>The scope shall further include provision of a galvanized steel pole with all required mounting arrangements, junction boxes, cable conduits, earthing/grounding system, and weatherproof enclosures. HDPE electrical grounding pipe for sensor's cables and mount at least 0.5 m below the ground. The complete system shall be installed, tested, and commissioned in accordance with SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, technical specifications, and the Engineer's instructions.</p> <p>Remote Terminal Unit area at Jhupra TP- RVT, Chanabari, 2 x Dharapani, Khorke, Kalika Mandir, 2 x Itram, Chanaute, and 2 x Koldanda Reservoir Area</p>	Nos.	11.0			

Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
28	<p>C.6 SCADA: RTU control Panel                      Supply, erection, testing, and commissioning of PLC/RTU Panel with integrated communication modem (GSM/LTE/4G) for remote monitoring and control, complete with necessary I/O modules, power supply, protection devices, SIM cards and SCADA-compatible interface. The system shall include communication and power cables, a suitably sized solar photovoltaic array with a charge controller and battery bank to provide uninterrupted operation, considering autonomy for multiple cloudy days.</p> <p>The scope shall further include provision of a galvanized steel pole with all required mounting arrangements, junction boxes, cable conduits, earthing/grounding system, and weatherproof enclosures. HDPE electrical grounding pipe for sensor's cables and mount at least 0.5 m below the ground. The complete system shall be installed, tested, and commissioned in accordance with SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, technical specifications, and the Engineer's instructions. Remote Terminal Unit area at DMA 6, 8, 9,10,12,13,14,15,16,17,18,19, 20, 22, 23, 24, 25, 26, 27, &amp; 28</p>	Nos.	20.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
29	<p>C.6 SCADA: Radar Level Transmitter Supply, Erection and Commissioning of Radar Level Transmitter with mounting Accessories ? 0.5% Accuracy, Range - 0 - 10 Meters , strong body with IP68 sensor, RS485, 4-20mA, with Bluetooth support app; Sensor shall ISO, CE certified item. The transmitter shall have an IP65 protection rating, be SCADA- compatible, and include all necessary accessories such as cable glands, shielded signal cable, mounting bracket/manifold, junction box, and earthing arrangements. The complete unit shall be installed, calibrated, tested, and commissioned as per SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, specifications, and the Engineer's instructions. Level Transmitter at RVT: Chanabari, 2 x Dharapani, 2 x Khorke, 2 x Kalika Mandir, 4 x Itram, 2 x Chanaute, Jhupra TP-RVT and 2 x Koldanda Reservoir</p>	Nos.	16.0			
30	<p>C.6 SCADA: Pressure Transmitter Supply, erection, testing, and commissioning of Pressure Transmitter with stainless steel body and wetted parts, accuracy ? <math>\pm 0.5\%</math> of span, measuring range 0–10 bar /0–16 bar / 0–25 bar (as per site condition), two-wire 4–20 mA output, suitable for continuous operation. The transmitter shall have an IP68 protection rating, be SCADA-compatible, and include all necessary accessories such as cable glands, shielded signal cable, mounting bracket/manifold, junction box, and earthing arrangements. The complete unit shall be installed, calibrated, tested, and commissioned as per SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, specifications, and the Engineer's instructions. Pressure Transmitter at: 2 x Chanabari, 4 x Dharapani, 4 x Khorke, 3 x Kalika Mandir, 4 x Itram, 4 x Chanaute, Jhupra TP-RVT and 2 x Koldanda area.</p>	Nos.	24.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
31	<p>C.6 SCADA: Pressure Transmitter  Supply, erection, testing, and commissioning of Pressure Transmitter with stainless steel body and wetted parts, accuracy <math>\pm 0.5\%</math> of span, measuring range 0–10 bar / 0–16 bar / 0–25 bar (as per site condition), two-wire 4–20 mA output, suitable for continuous operation. The transmitter shall have an IP68 protection rating, be SCADA-compatible, and include all necessary accessories such as cable glands, shielded signal cable, mounting bracket/manifold, junction box, and earthing arrangements. The complete unit shall be installed, calibrated, tested, and commissioned as per SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, specifications, and the Engineer's instructions.  Pressure Transmitter at: 2 x DMA -6, 2 x DMA -8, 2 x DMA -9, 2 x DMA -10, 2 x DMA -12, 2 x DMA -13, 2 x DMA -14 , 2 x DMA -15, 2 x DMA -16, 2 x DMA -17, 2 x DMA -18, 2 x DMA -19, 2 x DMA -20, 4 x DMA -22, 2 x DMA -23, 2 x DMA -24, 2 x DMA -25, 2 x DMA -26, 2 x DMA -27 and 2 x DMA -28</p>	Nos.	42.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
32	<p>C.6 SCADA: Tee/Basket Type Strainer</p> <p>Supply, erection, testing, and commissioning of Tee/Basket Type Strainer, body made of ductile iron (DI) PN16 rated, and complying with EN 1563 standard, flanged to PN10/16 as per EN 1092-2, designed for installation in horizontal pipelines.</p> <p>The strainer shall be provided with a stainless steel perforated/mesh screen suitable for the design flow, with screen opening size as per process requirement, and a blow-off/drain arrangement with easy cleaning. The strainer shall have a bolted/hinged cover for quick access to the basket, equipped with gaskets/seals to ensure leak-free operation. The scope shall include supply of dismantling joints, fasteners, gaskets, earthing/bonding, and all accessories required for proper installation. The complete assembly shall be installed, tested, and commissioned in accordance with SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, technical specifications, and the Engineer's instructions.</p> <p>DN 50</p>	Nos.	2.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
33	<p>C.6 SCADA: Tee/Basket Type Strainer</p> <p>Supply, erection, testing, and commissioning of Tee/Basket Type Strainer, body made of ductile iron (DI) PN16 rated, and complying with EN 1563 standard, flanged to PN10/16 as per EN 1092-2, designed for installation in horizontal pipelines.</p> <p>The strainer shall be provided with a stainless steel perforated/mesh screen suitable for the design flow, with screen opening size as per process requirement, and a blow-off/drain arrangement with easy cleaning. The strainer shall have a bolted/hinged cover for quick access to the basket, equipped with gaskets/seals to ensure leak-free operation. The scope shall include supply of dismantling joints, fasteners, gaskets, earthing/bonding, and all accessories required for proper installation. The complete assembly shall be installed, tested, and commissioned in accordance with SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, technical specifications, and the Engineer's instructions.</p> <p>DN 65</p>	Nos.	2.0			

Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
34	<p>C.6 SCADA: Tee/Basket Type Strainer                      Supply, erection, testing, and commissioning of Tee/Basket Type Strainer, body made of ductile iron (DI) PN16 rated, and complying with EN 1563 standard, flanged to PN10/16 as per EN 1092-2, designed for installation in horizontal pipelines.                      The strainer shall be provided with a stainless steel perforated/mesh screen suitable for the design flow, with screen opening size as per process requirement, and a blow-off/drain arrangement with easy cleaning. The strainer shall have a bolted/hinged cover for quick access to the basket, equipped with gaskets/seals to ensure leak-free operation. The scope shall include supply of dismantling joints, fasteners, gaskets, earthing/bonding, and all accessories required for proper installation. The complete assembly shall be installed, tested, and commissioned in accordance with SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, technical specifications, and the Engineer's instructions.                      DN 80</p>	Nos.	2.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
35	<p>C.6 SCADA: Tee/Basket Type Strainer</p> <p>Supply, erection, testing, and commissioning of Tee/Basket Type Strainer, body made of ductile iron (DI) PN16 rated, and complying with EN 1563 standard, flanged to PN10/16 as per EN 1092-2, designed for installation in horizontal pipelines.</p> <p>The strainer shall be provided with a stainless steel perforated/mesh screen suitable for the design flow, with screen opening size as per process requirement, and a blow-off/drain arrangement with easy cleaning. The strainer shall have a bolted/hinged cover for quick access to the basket, equipped with gaskets/seals to ensure leak-free operation. The scope shall include supply of dismantling joints, fasteners, gaskets, earthing/bonding, and all accessories required for proper installation. The complete assembly shall be installed, tested, and commissioned in accordance with SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, technical specifications, and the Engineer's instructions.</p> <p>DN 100</p>	Nos.	10.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
36	<p>C.6 SCADA: Tee/Basket Type Strainer</p> <p>Supply, erection, testing, and commissioning of Tee/Basket Type Strainer, body made of ductile iron (DI) PN16 rated, and complying with EN 1563 standard, flanged to PN10/16 as per EN 1092-2, designed for installation in horizontal pipelines.</p> <p>The strainer shall be provided with a stainless steel perforated/mesh screen suitable for the design flow, with screen opening size as per process requirement, and a blow-off/drain arrangement with easy cleaning. The strainer shall have a bolted/hinged cover for quick access to the basket, equipped with gaskets/seals to ensure leak-free operation. The scope shall include supply of dismantling joints, fasteners, gaskets, earthing/bonding, and all accessories required for proper installation. The complete assembly shall be installed, tested, and commissioned in accordance with SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, technical specifications, and the Engineer's instructions.</p> <p>DN 125</p>	Nos.	3.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
37	<p>C.6 SCADA: Tee/Basket Type Strainer  Supply, erection, testing, and commissioning of Tee/Basket Type Strainer, body made of ductile iron (DI) PN16 rated, and complying with EN 1563 standard, flanged to PN10/16 as per EN 1092-2, designed for installation in horizontal pipelines.  The strainer shall be provided with a stainless steel perforated/mesh screen suitable for the design flow, with screen opening size as per process requirement, and a blow-off/drain arrangement with easy cleaning. The strainer shall have a bolted/hinged cover for quick access to the basket, equipped with gaskets/seals to ensure leak-free operation. The scope shall include supply of dismantling joints, fasteners, gaskets, earthing/bonding, and all accessories required for proper installation. The complete assembly shall be installed, tested, and commissioned in accordance with SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, technical specifications, and the Engineer's instructions.  DN 150</p>	Nos.	6.0			

Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
38	<p>C.6 SCADA: Tee/Basket Type Strainer                      Supply, erection, testing, and commissioning of Tee/Basket Type Strainer, body made of ductile iron (DI) PN16 rated, and complying with EN 1563 standard, flanged to PN10/16 as per EN 1092-2, designed for installation in horizontal pipelines.                      The strainer shall be provided with a stainless steel perforated/mesh screen suitable for the design flow, with screen opening size as per process requirement, and a blow-off/drain arrangement with easy cleaning. The strainer shall have a bolted/hinged cover for quick access to the basket, equipped with gaskets/seals to ensure leak-free operation. The scope shall include supply of dismantling joints, fasteners, gaskets, earthing/bonding, and all accessories required for proper installation. The complete assembly shall be installed, tested, and commissioned in accordance with SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, technical specifications, and the Engineer's instructions.                      DN 200</p>	Nos.	4.0			

Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
39	<p>C.6 SCADA: SCADA Software Supply, installation, commissioning, and testing of commercial genuine SCADA licensing software with auto-firmware-upgrade function and support all important RTU/PLC drivers, SCADA database, HMI page, and web server whereby all the above components will be able to automate, control, monitor, alarm, report, and trend with the capability for integration of Remote Datalogger, PLCs/RTUs, sensors, flowmeters, pressure transmitters, motorized valves, and other field instruments via open communication protocols. Provision of min 5 web clients with required tags (20% spare tags), and the web-client shall be password- protected and can be easily accessed from any laptop and computer. The complete system shall be installed, calibrated, tested, and commissioned as per SECTION VII-C: WORKS REQUIREMENTS Clause 8, drawings, specifications, and the Engineer's instructions.</p>	Job	1.0			
40	<p>C.6 SCADA: Server, Server Room Accessories Supply, installation, testing, and commissioning of Server, Server Room Accessories, and Control Room Setup, including enterprise-grade servers with fixed IP redundancy NSP, storage system, managed network switches, firewall, UPS backup, and min 19" server rack with PDU, and Printer. The scope shall also cover server room essentials. The control room setup shall include operator workstations, large screen display/monitoring wall 50", 2 computer with 24" display for Engineering Station, control consoles, furniture, and a communication system. All equipment shall be SCADA-compatible, installed, tested, and commissioned in accordance with SECTION VII-C: WORKS REQUIREMENTS Clause 8, specifications and the Engineer's instructions.</p>	Job	1.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
41	C.6 SCADA: SCADA Operation and Maintenance Additional Spare Parts Solenoid Valve 12/24 volt Latch Type	Set	10.0			
42	C.6 SCADA: SCADA Operation and Maintenance Additional Spare Parts GSM Modem	Set	3.0			
43	C.6 SCADA: SCADA Operation and Maintenance Additional Spare Parts Solar Charger Controller	Set	5.0			
44	C.6 SCADA: SCADA Operation and Maintenance Additional Spare Parts PLC/ RTU Controller with required all complete set	Set	3.0			
45	C.6 SCADA: SCADA Operation and Maintenance Additional Spare Parts Digital Output relay set	Set	10.0			
46	C.6 SCADA: SCADA Operation and Maintenance Additional Spare Parts Hydraulic actuated pilot with motor 0- 10 bar, 12/24 volt	Set	2.0			
47	C.6 SCADA: SCADA Operation and Maintenance Additional Spare Parts Pressure Transmitter 0-16 bar	Set	5.0			
48	C.6 SCADA: SCADA Operation and Maintenance Additional Spare Parts Level Transmitter	Set	2.0			

### 16 Dayworks

16.1 WORK No. - D: Dayworks

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
1	D.1 Dayswork: Labour: Unskilled Labour	days	500.0			
2	D.1 Dayswork: Labour: Semi Skilled Labour	days	250.0			
3	D.1 Dayswork: Labour: Skilled Labour	days	200.0			
4	D.1 Dayswork: Labour: Engineer/Supervisor	days	250.0			
5	D.1 Dayswork: Labour: Surveyor	days	200.0			
6	D.1 Dayswork: Labour: Staff man	days	100.0			
7	D.2 Dayswork: Materials: Sand (Clean sand from crusher)	cu.m	250.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
8	D.2 Dayswork: Materials: Crushed gravel (20mm down)	cu.m	250.0			
9	D.2 Dayswork: Materials: Natural gravel (40mm down)	cu.m	250.0			
10	D.2 Dayswork: Materials: Ordinary Portland cement (53 Grade)	Bags	500.0			
11	D.2 Dayswork: Materials: First Class Brick	Nos.	5000.0			
12	D.2 Dayswork: Materials: 150 mm dia DI Surface Valve Box Cover	Nos.	10.0			
13	D.2 Dayswork: Materials: 250 mm dia DI Surface Valve Box Cover	Nos.	6.0			
14	D.2 Dayswork: Materials: Water meter 15mm Multijet (J) type, class C	Nos.	45.0			
15	D.2 Dayswork: Materials: Providing MID approved with minimum Dynamic ratio (Q3/Q1) of 500:1, Electromagnetic AMI Smart Water Meters of dia 15 mm having no moving part in contact with water, with fully body made up of composite material, conforming to ISO 4064	Nos.	25.0			
16	D.2 Days work: Materials: Hexagonal Interlocking Block with comprehensive strength M35 or above, thickness 50 mm, Dimension 200x165x50	Nos.	1000.0			
17	D.2 Days work: Materials: Providing required material and Painting lines, dashes, arrows etc. on roads in two coats on new work with ready mixed road marking paint conforming to NS408/IS164 on bituminous surface, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control as per Drawing and Technical Specifications up to 10 cm width.	sq.m	625.0			
18	D.2 Days work: Materials: Bituminous Penetration Macadam, 50 mm thickness	sq.m	600.0			
19	D.3 Days work: Equipment: Back Hoe Loader ( > 90Hp)	Hrs.	100.0			
20	D.3 Days work: Equipment: Steel Vibrator Roller (up to 12 ton)	Hrs.	100.0			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
21	D.3 Days work: Equipment: Truck/Tipper (up to 150 Hp)	Hrs.	100.0			
22	D.3 Days work: Equipment: Air compressor incl. hoses, hammers, chisels (7 m <sup>3</sup> /min)	Hrs.	100.0			
23	D.3 Days work: Equipment: Jack hammer	Hrs.	100.0			
24	D.3 Days work: Equipment: Crane lifting capacity at least 10 tonnes	Hrs.	100.0			
25	D.3 Days work: Equipment: Crane lifting capacity at least 10 tonnes	Hrs.	100.0			
26	D.3 Days work: Equipment: Rammer	Hrs.	100.0			
27	D.3 Days work: Equipment: Drainage Pump at least 10 l/s, 20m head	Hrs.	100.0			
28	D.3 Days work: Equipment: Mobile Generator	Hrs.	200.0			
29	D.3 Days work: Equipment: Complete Survey Instrument for topographical analysis (Total Station, DGPS, Autolevel, etc.)	Hrs.	200.0			

### 17 Operation and Maintenance Works

#### 17.1 WORK No. - E: System Tuning and Optimization Phase

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
1	E.1 System Tuning and Optimization Phase Cost: Provision of Human Resources for operation and maintenance works with following experienced staffs: -1 nos. of Water Supply Engineer -1 nos. of Instrumentation Engineer with SCADA operation - 8 nos. of Senior Plumbers -2 nos. of Office Assistants -2 nos. of Security Guards as per the qualification, experience stated in the Section VII-D System Tuning and Optimization Phase or instructed by engineer.	Month	12.0			

## Procurement Item Details

SL. No	Item Description	Unit	Quantity	Bidder's Rate(NPR)	Bidder's Rate (in words)	Total Amount(NPR)
2	E.1 System Tuning and Optimization Phase Cost: Supply, transportation, storage, recording, handling and management of consumables with safety standards instructed by the engineer of following chemicals used in the water quality monitoring and reporting: Volume of Polyaluminium Chloride (PAC) required in a year	kg	58438.64			
3	E.1 System Tuning and Optimization Phase Cost: Supply, transportation, storage, recording, handling and management of consumables with safety standards instructed by the engineer of following chemicals used in the water quality monitoring and reporting: Volume of Bleaching Powder required in a year	kg	12872.28			
4	E.1 System Tuning and Optimization Phase Cost: Office Operation Cost Including stationary Communication of SCADA system and all reporting including SCADA operation system.	Month	12.0			

**Government of Nepal**  
**Water Sector Governance and Infrastructure Support Project (WaSGISP)**  
**Birendranagar Project Implementation Unit (BPIU), Surkhet**

**Notice of Bid Addendum No.: 02**

**First Date of Bid Publication: December 23 , 2025**

**Date of First Addendum: February 03, 2026**

**Date of Second Addendum: February 10, 2027**



This is to notify all concerned that the bid invitation notice published on December 23 , 2025 in UNDB online and PPMO e-GP portal www.bolpatra.gov.np/egp of Government of Nepal for the "Bheri Pumping Package-II, (NP-DWSSM-508890-CW-RFB)" has Addendums as follows.

S. N.	Reference	Description in the Notice of Bid Addendum No.:1 (Issued on February 03, 2026))	Amendment	Remarks
1	Specific Procurement Notice , Request for Bids, Works	<i>7.Bids, both Technical Part and the Financial Part, must be submitted electronically on or before 12.00 PM (NST), February 17, 2026</i>	Replace as following:"7.Bids, both Technical Part and the Financial Part, must be submitted electronically on or Submission of hard copies. before 12.00 PM (NST), February 27, 2026"	Bid Addendum No.:1 (Issued on February 03, 2026
2	Specific Procurement Notice, Request for Bids, Works	<i>8.Late Bids will be rejected. The "TECHNICAL PART" of the bid will be publicly opened in the presence of the Bidders' designated representatives and anyone who chooses to attend, at the address below immediately after bid submission deadline on February 17, 2026 at 13.00 hrs. "FINANCIAL PART" of the bid shall remain unopened until the second public Bid opening, notified after completion of evaluation of Technical Part of the bid</i>	Replace as following:"8.Late Bids will be rejected. The "TECHNICAL PART" of the bid will be publicly opened in the presence of the Bidders' designated representatives and anyone who chooses to attend, at the address below immediately after bid submission deadline on <b>February 27,2026</b> at 13.00 hrs. "FINANCIAL PART" of the bid shall remain unopened until the second public Bid opening, notified after completion of evaluation of Technical Part of the bid"	Bid Addendum No.:1 (Issued on February 03, 2026
3	Bid Data Sheet ITB 18.1	<i>The Bid shall be valid until: July 17, 2026</i>	Replace as following " The Bid shall be valid until: <b>July 27, 2026"</b>	Bid Addendum No.:1 (Issued on February 03, 2026
4	Bid Data Sheet ITB 22.1	For Bid submission purposes only, the Employer's address is: Attention: Project Manager, Birendranagar, Project Implementation Unit, Birendranagar, Surkhet, Karnali Province, Nepal. Street Address: Simal Chowk, Awash Colony, Ward – 8. City: Birendranagar, Surkhet Country: Nepal. The deadline for Bid submission is: Date: February 17, 2026 Time: 12:00 hours (Nepal Standard Time) Bidders "shall" submit their Bids electronically.	Replace as following":For Bid submission purposes only, the Employer's address is: Attention: Project Manager, Birendranagar, Project Implementation Unit, Birendranagar, Surkhet, Karnali Province, Nepal. Street Address: Simal Chowk, Awash Colony, Ward – 8. City: Birendranagar, Surkhet Country: Nepal. The deadline for Bid submission is: <b>Date: February 27, 2026</b> Time: 12:00 hours (Nepal Standard Time) <b>Bidders "shall" submit their Bids electronically or Submission of hard copies."</b>	Bid Addendum No.:1 (Issued on February 03, 2026

**Government of Nepal**  
**Water Sector Governance and Infrastructure Support Project (WaSGISP)**  
**Birendranagar Project Implementation Unit (BPIU), Surkhet**

**Notice of Bid Addendum No.: 02**

**First Date of Bid Publication: December 23 , 2025**

**Date of First Addendum: February 03, 2026**

**Date of Second Addendum: February 10, 2027**



This is to notify all concerned that the bid invitation notice published on December 23 , 2025 in UNDB online and PPMO e-GP portal www.bolpatra.gov.np/egp of Government of Nepal for the "Bheri Pumping Package-II, (NP-DWSSM-508890-CW-RFB)" has Addendums as follows.

S. N.	Reference	Description in the Notice of Bid Addendum No.:1 (Issued on February 03, 2026))	Amendment	Remarks
5	Bid Data Sheet ITB 25.1	The Bid opening shall take place at: Street Address: Office of Biendranagar Project Implementation Unit, Birendranagar, Surkhet, Simal Chowk, Awash Colony, Ward- 8. City: Birendranagar, Surkhet Country: Nepal Date: February 17, 2026 Time: Immediately after Bid Submission Deadline (13.00 hrs.)	Replace as following: "The Bid opening shall take place at: Street Address: Office of Biendranagar Project Implementation Unit, Birendranagar, Surkhet, Simal Chowk, Awash Colony, Ward- 8. City: Birendranagar, Surkhet Country: Nepal <b>Date: February 27 , 2026</b> Time: Immediately after Bid Submission Deadline (13.00 hrs.)"	Bid Addendum No.:1 (Issued on February 03, 2026
6	<b>Bid Data Sheet ITB 36.1</b>	The currency that shall be used for Bid evaluation and comparison purposes to convert at the selling exchange rate all Bid prices expressed in various currencies into a single currency is: Nepalese Rupees. The source of exchange rate shall be: Nepal Rastra Bank The date for the exchange rate shall be: January 20, 2026. The currency(ies) of the Bid shall be converted into a single currency in accordance with the procedure under Alternative A that follows: Alternative A: Bidders quote entirely in local currency For comparison of Bids, the Bid Price, corrected pursuant to ITB 35, shall first be broken down into the respective amounts payable in various currencies by using the selling exchange rates specified by the Bidder in accordance with ITB 15.1. In the second step, the Employer will convert the amounts in various currencies in which the Bid Price is payable (excluding Provisional Sums but including Day work where priced competitively) to the single currency identified above at the selling rates established for similar transactions by the authority specified and, on the date, stipulated above.	Replace as following "The currency that shall be used for Bid evaluation and comparison purposes to convert at the selling exchange rate all Bid prices expressed in various currencies into a single currency is: Nepalese Rupees The source of exchange rate shall be: Nepal Rastra Bank <b>The date for the exchange rate shall be: January 30, 2026.</b> The currency(ies) of the Bid shall be converted into a single currency in accordance with the procedure under Alternative A that follows: Alternative A: Bidders quote entirely in local currency For comparison of Bids, the Bid Price, corrected pursuant to ITB 35, shall first be broken down into the respective amounts payable in various currencies by using the selling exchange rates specified by the Bidder in accordance with ITB 15.1. In the second step, the Employer will convert the amounts in various currencies in which the Bid Price is payable (excluding Provisional Sums but including Day work where priced competitively) to the single currency identified above at the selling rates established for similar transactions by the authority specified and, on the date, stipulated above.	Bid Addendum No.:1 (Issued on February 03, 2026

**Government of Nepal**  
**Water Sector Governance and Infrastructure Support Project (WaSGISP)**  
**Birendranagar Project Implementation Unit (BPIU), Surkhet**

**Notice of Bid Addendum No.: 03**

**First Date of Bid Publication: December 23 , 2025**

**Date of First Addendum: February 03, 2026**

**Date of Second Addendum: February 10, 2026**

**Date of Third Addendum: February 27, 2026**



This is to notify all concerned that the bid invitation notice published on December 23 , 2025 in UNDB online and PPMO e-GP portal www.bolpatra.gov.np/egp of Government of Nepal for the "Bheri Pumping Package-II, (NP-DWSSM-508890-CW-RFB)" has Addendums as follows.

S. N.	Reference	Description in the Notice of Bid Addendum No.:2/Bid Documents	Amendment	Remarks
1	Specific Procurement Notice , Request for Bids, Works	<i>7.Bids, both Technical Part and the Financial Part, must be submitted electronically on or Submission of hard copies. before 12.00 PM (NST), February 27, 2026</i>	Replace as following:"7.Bids, both Technical Part and the Financial Part, must be submitted electronically on or Submission of hard copies. before 12.00 PM (NST), <b>March 13, 2026</b> "	Bid Addendum No.:2 (Issued on February 10, 2026)
2	Specific Procurement Notice, Request for Bids, Works	<i>8.Late Bids will be rejected. The "TECHNICAL PART" of the bid will be publicly opened in the presence of the Bidders' designated representatives and anyone who chooses to attend, at the address below immediately after bid submission deadline on February 27,2026 at 13.00 hrs. "FINANCIAL PART" of the bid shall remain unopened until the second public Bid opening, notified after completion of evaluation of Technical Part of the bid</i>	Replace as following:"8.Late Bids will be rejected. The "TECHNICAL PART" of the bid will be publicly opened in the presence of the Bidders' designated representatives and anyone who chooses to attend, at the address below immediately after bid submission deadline on <b>March 13, 2026</b> at 13.00 hrs. "FINANCIAL PART" of the bid shall remain unopened until the second public Bid opening, notified after completion of evaluation of Technical Part of the bid"	Bid Addendum No.:2 (Issued on February 10, 2026)
3	Bid Data Sheet ITB 18.1	<i>The Bid shall be valid until: July 27, 2026</i>	Replace as following "The Bid shall be valid until: <b>August 10 ,2026</b> "	Bid Addendum No.:2 (Issued on February 10, 2026)
4	Bid Data Sheet ITB 22.1	For Bid submission purposes only, the Employer's address is: Attention: Project Manager, Birendranagar, Project Implementation Unit, Birendranagar, Surkhet, Karnali Province, Nepal. Street Address: Simal Chowk, Awash Colony, Ward – 8. City: Birendranagar, Surkhet Country: Nepal. The deadline for Bid submission is: Date: February 27, 2026 Time: 12:00 hours (Nepal Standard Time) Bidders "shall" submit their Bids electronically or Submission of hard copies.	Replace as following":For Bid submission purposes only, the Employer's address is: Attention: Project Manager, Birendranagar, Project Implementation Unit, Birendranagar, Surkhet, Karnali Province, Nepal. Street Address: Simal Chowk, Awash Colony, Ward – 8. City: Birendranagar, Surkhet Country: Nepal. The deadline for Bid submission is: <b>Date: March 13, 2026</b> Time: 12:00 hours (Nepal Standard Time) <b>Bidders "shall" submit their Bids electronically or Submission of hard copies."</b>	Bid Addendum No.:2 (Issued on February 10, 2026)

**Government of Nepal**  
**Water Sector Governance and Infrastructure Support Project (WaSGISP)**  
**Birendranagar Project Implementation Unit (BPIU), Surkhet**

**Notice of Bid Addendum No.: 03**

**First Date of Bid Publication: December 23 , 2025**

**Date of First Addendum: February 03, 2026**

**Date of Second Addendum: February 10, 2026**

**Date of Third Addendum: February 27, 2026**



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S. N.	Reference	Description in the Notice of Bid Addendum No.:2/Bid Documents	Amendment	Remarks
5	Bid Data Sheet ITB 25.1	The Bid opening shall take place at: Street Address: Office of Biendranagar Project Implementation Unit, Birendranagar, Surkhet, Simal Chowk, Awash Colony, Ward- 8. City: Birendranagar, Surkhet Country: Nepal Date: February 27, 2026 Time: Immediately after Bid Submission Deadline (13.00 hrs.)	Replace as following: "The Bid opening shall take place at: Street Address: Office of Biendranagar Project Implementation Unit, Birendranagar, Surkhet, Simal Chowk, Awash Colony, Ward- 8. City: Birendranagar, Surkhet Country: Nepal <b>Date: March 13, 2026 ,</b> Time: Immediately after Bid Submission Deadline (13.00 hrs.)"	Bid Addendum No.:2 (Issued on February 10, 2026)
6	<b>Bid Data Sheet ITB 36.1</b>	The currency that shall be used for Bid evaluation and comparison purposes to convert at the selling exchange rate all Bid prices expressed in various currencies into a single currency is: Nepalese Rupees. The source of exchange rate shall be: Nepal Rastra Bank The date for the exchange rate shall be: January 30 , 2026. The currency(ies) of the Bid shall be converted into a single currency in accordance with the procedure under Alternative A that follows: Alternative A: Bidders quote entirely in local currency For comparison of Bids, the Bid Price, corrected pursuant to ITB 35, shall first be broken down into the respective amounts payable in various currencies by using the selling exchange rates specified by the Bidder in accordance with ITB 15.1. In the second step, the Employer will convert the amounts in various currencies in which the Bid Price is payable (excluding Provisional Sums but including Day work where priced competitively) to the single currency identified above at the selling rates established for similar transactions by the authority specified and, on the date, stipulated above.	Replace as following "The currency that shall be used for Bid evaluation and comparison purposes to convert at the selling exchange rate all Bid prices expressed in various currencies into a single currency is: Nepalese Rupees The source of exchange rate shall be: Nepal Rastra Bank <b>The date for the exchange rate shall be: February 13, 2026.</b> The currency(ies) of the Bid shall be converted into a single currency in accordance with the procedure under Alternative A that follows: Alternative A: Bidders quote entirely in local currency For comparison of Bids, the Bid Price, corrected pursuant to ITB 35, shall first be broken down into the respective amounts payable in various currencies by using the selling exchange rates specified by the Bidder in accordance with ITB 15.1. In the second step, the Employer will convert the amounts in various currencies in which the Bid Price is payable (excluding Provisional Sums but including Day work where priced competitively) to the single currency identified above at the selling rates established for similar transactions by the authority specified and, on the date, stipulated above.	Bid Addendum No.:2 (Issued on February 10, 2026)

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**First Date of Bid Publication: December 23 , 2025**

**Date of First Addendum: February 03, 2026**

**Date of Second Addendum: February 10, 2026**

**Date of Third Addendum: February 27, 2026**



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S. N.	Reference	Description in the Notice of Bid Addendum No.:2/Bid Documents	Amendment	Remarks
8	Bill of Quantities Provisional Sum S.No. 7	<i>Supply of Electricity facility for System Tuning and Optimization Purpose in KWH per year</i>	Replace as following: "Supply of Electricity facility for System Tuning and Optimization Purpose"	Bid Documents (Issued on December 23, 2025)
9	Bill of Quantities A2. Preliminary and General Work S.No. 16 and 17	Final <b>Turnover</b> to the Employer at the end of the contract	Replace as following: "Final <b>Handover</b> to the Employer at the end of the contract"	Bid Documents (Issued on December 23, 2025)
10	Bill of Quantities A2. Preliminary and General Work S.No. 20	A.2 General Item: Conduct a complete Topographic Survey on roads / streets/pathways/divided plots approx. area/ Area of undivided land including the <b>customer survey connection</b> details where all pipelines are to be laid, previous to the submittal of the working drawings. The work to include benchmarks execution and shifting, preparation and submittal of Drawings in CAD (compatible format as requested by the Engineer) with names of Road, localities, major adjoining landmarks (i.e. Schools, institutions, commercial places etc.), historical places, descriptions including proper legends, geo-reference of all landmarks etc., as specified in document SECTION VIIA: WORKS REQUIREMENTS Clause 9.1.	Replace as following:"A.2 General Item: Conduct a complete Topographic Survey on roads / streets/pathways/divided plots approx. area/ Area of undivided land including the <b>customer service connection</b> details where all pipelines are to be laid, previous to the submittal of the working drawings. The work to include benchmarks execution and shifting, preparation and submittal of Drawings in CAD (compatible format as requested by the Engineer) with names of Road, localities, major adjoining landmarks (i.e. Schools, institutions, commercial places etc.), historical places, descriptions including proper legends, geo-reference of all landmarks etc., as specified in document SECTION VIIA: WORKS REQUIREMENTS Clause 9.1."	Bid Documents (Issued on December 23, 2025)

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S. N.	Reference	Description in the Notice of Bid Addendum No.:2/Bid Documents	Amendment	Remarks
11	<b>Bill of Quantities</b> B.1 Earthwork: Excavation for Distribution pipelines trenches, including: - site clearance, cutting and removal of existing pavement or land, store of all reusable pavement material for further reinstatement, - excavation of pipe trenches in all soils/rock with vertical sides as per drawings, width and depth measurement clear width and fixed depth in typical drawing, - including any extra excavation: for soft soil or rocks, fittings, bends, flanges and sockets, for battered sides, for shoring, for preparation of trench bottom, etc., - separation of suitable soil from unsuitable soil during excavation and temporary storage, transport lead and lift of excavated material, - final safe disposal of surplus material including transport and lead and lift, - dewatering, all complete works as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 1.2.4.7 and direction of the Engineer, with all lead and lift.	<i>Quantity :- 426657.0 cum.</i>	Replace as following "Quantity :- 300057 cum. "	Bid Documents (Issued on December 23, 2025)
12	Bill of Quantities B.1 Earthwork	B.1 Earthwork: Place and compact trench main backfilling and other backfilling with suitable material from excavation, as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 3.1.5.10 and Drawings, and conditioned to prior approval of the Engineer	Replace as following B.1 Earthwork: Place and compact trench main backfilling and other backfilling with suitable material from excavation <b>without sprinkling water</b> , as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 3.1.5.10 and Drawings, and conditioned to prior approval of the Engineer	Bid Documents (Issued on December 23, 2025)

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S. N.	Reference	Description in the Notice of Bid Addendum No.:2/Bid Documents	Amendment	Remarks
13	B.1 Earthwork: Place and compact trench main backfilling and other backfilling with suitable material from excavation, as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 3.1.5.10 and Drawings, and conditioned to prior approval of the Engineer	<i>Quantity :-77609.39 cum.</i>	<b>Replace as following "Quantity :- 289008.39 cum."</b>	Bid Documents (Issued on December 23, 2025)
14	Bill of Quantities B1 Earth Material Related Works S.No. 3	B.1 Earthwork: Excavation for structures (except pipeline works), for any depth and in all types of soil <b>by 80% mechanical or/ and 20% manual means</b> , including: - site clearance, cutting and removal of existing pavement or land, store of all reusable pavement material for further reinstatement, - excavation in all soils with vertical sides as per drawings, - including extra excavation for soft soil, extra excavation for battered sides, extra excavation for slope protection, - separation of suitable soil from unsuitable soil during excavation and temporary storage, transport lead and lift of excavated material, - final safe disposal of surplus material including transport and lead and lift, - dewatering, all complete works as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 1.2.4.4 and direction of the Engineer with all lead and lift.	Replace as following: "B.1 Earthwork: Excavation for structures (except pipeline works), for any depth and in all types of soil including: - site clearance, cutting and removal of existing pavement or land, store of all reusable pavement material for further reinstatement, - excavation in all soils with vertical sides as per drawings, - including extra excavation for soft soil, extra excavation for battered sides, extra excavation for slope protection, - separation of suitable soil from unsuitable soil during excavation and temporary storage, transport lead and lift of excavated material, - final safe disposal of surplus material including transport and lead and lift, - dewatering, all complete works as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 1.2.4.4 and direction of the Engineer with all lead and lift."	Bid Documents (Issued on December 23, 2025)
15	Bill of Quantities B1 Earth Material Related Works S.No. 7	B.1 Earthwork: Loading, Hauling, Unloading and Piling of Pebble, gravel and aggregates from existing <b>sedimentation tank</b> by labour using baskets such as doko, Tokari, Kharpan, thunse, etc. all complete	Replace as following: "B.1 Earthwork: Loading, Hauling, Unloading and Piling of Pebble, gravel and aggregates from existing <b>roughening filter</b> by labour using baskets such as doko, Tokari, Kharpan, thunse, etc. all complete"	Bid Documents (Issued on December 23, 2025)
16	Bill of Quantities B2 Brick and Stone Works S.No. 2	B.2 Brick and Stone Work: Supply of materials at site and complete the Stone Boulder Soling Work on top of sand bed of minimum 25mm thick in the base of foundation as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 1.5.9, drawings and to the satisfaction of the Engineer including filling of minor depression and void by sand with all lead and lift all complete	Replace as following: "B.2 Brick and Stone Work: Supply of materials at site and complete the <b>20 cm thick</b> Stone Boulder Soling Work on top of sand bed of minimum 25mm thick in the base of foundation as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 1.5.9, drawings and to the satisfaction of the Engineer including filling of minor depression and void by sand with all lead and lift all complete"	Bid Documents (Issued on December 23, 2025)

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S. N.	Reference	Description in the Notice of Bid Addendum No.:2/Bid Documents	Amendment	Remarks
17	Bill of Quantities B4 Concrete Surface Finishing Works S.No. 7	B.4 Concrete Surface Finishing Work: Supply, preparation and application in two coats of water-based food grade epoxy resin coating in inner walls of reservoirs having volume solids not less than 50% and application rate better than <b>8m<sup>3</sup>/kg</b> per coat, as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 1.7.5.10 and Drawings, and by instruction of the Engineer, including all lead and lift	Replace as following: "B.4 Concrete Surface Finishing Work: Supply, preparation and application in two coats of water-based food grade epoxy resin coating in inner walls of reservoirs having volume solids not less than 50% and application rate better than <b>8m<sup>2</sup>/kg per</b> coat, as specified in document SECTION VII-C: WORKS REQUIREMENTS Clause 1.7.5.10 and Drawings, and by instruction of the Engineer, including all lead and lift."	Bid Documents (Issued on December 23, 2025)
18	Bill of Quantities B5 Surface Reinstatement S.No. 14	B.5 Surface Reinstatement: Other Pavement Reinstatement Works Brick Pavement: Dismantling and Reinstatement with new supply of quality bricks maximum of 70 Percentage area and 30 Percentage with old bricks and carry out the placement of bricks <b>vertical</b> positioned in specified pattern after bed preparation, 75mm thick sand bed levelling, filling of voids by compacted sand and/or 1:1 cement sand mortar pointing, as per SECTION VII-C: WORKS REQUIREMENTS Clause 2.18, drawings and instruction of the Engineer, with all lead and lift"	Replace as following: "B.5 Surface Reinstatement: Other Pavement Reinstatement Works Brick Pavement: Dismantling and Reinstatement with new supply of quality bricks maximum of 70 Percentage area and 30 Percentage with old bricks and carry out the brick <b>on edge paving</b> with specified pattern after bed preparation, 75mm thick sand bed levelling, filling of voids by compacted sand and/or 1:1 cement sand mortar pointing, as per SECTION VII-C: WORKS REQUIREMENTS Clause 2.18, drawings and instruction of the Engineer, with all lead and lift"	Bid Documents (Issued on December 23, 2025)
19	Bill of Quantities B5 Surface Reinstatement S.No. 17	B.5 Surface Reinstatement: Other Pavement Reinstatement Works Surface Drain: Execute complete M20 concrete surface drain ( <b>Tick type</b> ), including excavation in all types of soil/rock, dewatering, backfilling in layers, brick flat soling, concreting etc., as per SECTION VII-C: WORKS REQUIREMENTS Clause 2.12, drawings and instruction of the Engineer, with safe disposal of excess soil, all lead and lift	Replace as following: "B.5 Surface Reinstatement: Other Pavement Reinstatement Works Surface Drain: Execute complete M20 concrete surface drain, including excavation in all types of soil/rock, dewatering, backfilling in layers, brick flat soling, concreting etc., as per SECTION VII-C: WORKS REQUIREMENTS Clause 2.12, drawings and instruction of the Engineer, with safe disposal of excess soil, all lead and lift"	Bid Documents (Issued on December 23, 2025)
20	Bill of Quantities Work No. C2: Supply and Installation of Pipe and Fittings S.No. 15	Quantity of 22.5 deg Double Socket Bend of DN 150 is mentioned as 0.0 9nos.	Replace the quantity of 22.5 degree Double Socket Bend of DN 150 as "1	Bid Documents (Issued on December 23, 2025)

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S. N.	Reference	Description in the Notice of Bid Addendum No.:2/Bid Documents	Amendment	Remarks
21	Bill of Quantities Work No. C2: Supply and Installation of Pipe and Fittings S.No. 15 to 21	"DI Double Socket R Bend"	Replace as "DI Double Socket Bend"	Bid Documents (Issued on December 23, 2025)
22	Bill of Quantities Work No. C2: Supply and Installation of Pipe and Fittings S.No. 280 to 293, 359,369,370, 379 to 392	Description for type of material is not mentioned.	The type of material within the given range is " <b>Ductile Iron (DI)</b> "	Bid Documents (Issued on December 23, 2025)
23	Bill of Quantities Work No. C2: Supply and Installation of Pipe and Fittings S.No. 360	The units of quantity is given in "m".	Replace the unit "m" by " <b>nos.</b> "	Bid Documents (Issued on December 23, 2025)
24	Bill of Quantities Work No. C.4 Service Connection S.No. 18 to 23	C.4 Service Connection: Supply and Installation of water supply Consumer Connections sections from property boundary to water meter set, all complete; as specified in Section VII-C Technical Specification Clause 5.2 and as shown on Drawings Nos. TP-2-1 and TP-2-2, and collection of consumer details and load the data onto the database of Employer's Server as instructed by the Engineer, with all lead and lift.	Replace as following: " C.4 Service Connection: Supply and Installation of water supply Consumer Connections sections from property boundary to water meter set <b>including water meter</b> , all complete; as specified in Section VII-C Technical Specification Clause 5.2 and as shown on Drawings Nos. TP-2-1 and TP-2-2, and collection of consumer details and load the data onto the database of Employer's Server as instructed by the Engineer, with all lead and lift.	Bid Documents (Issued on December 23, 2025)

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S. N.	Reference	Description in the Notice of Bid Addendum No.:2/Bid Documents	Amendment	Remarks
25	Work No. C5: Instrumentation and SCADA system ; SCADA: S.NO.1- S.NO.5	Dual Solenoid Hydraulic Diaphragm Control Valve Supply, erection, testing, and commissioning of a Dual Solenoid Hydraulic Diaphragm Control Valve for flow and pressure control, constructed of ductile iron (DI), PN16 rated, and complying with EN 1074-5 standard, with a low opening pressure (valve functioning in min differential pressure) of 0.2 bar. Flanged PN16 as per EN 1092-2, the valve shall be complete with stainless steel (SS) tubing with all compression tubing fittings (i.e. filter/strainer, Needle, check, and Isolation valves, Pressure gauges, 1" Air release/vacuum valve), an IP68-rated solenoid with stainless steel body, and bypass ball valve arrangement for actuator. All associated sensors and accessories shall be SCADA-compatible and support PLC/RTU. The complete system shall be commissioned in accordance with SECTION VII-C: WORKS REQUIREMENTS Clause 7, the drawings, specifications, and the Engineer's instructions.	Replace as following: "Dual Solenoid Hydraulic Diaphragm Control Valve Supply, erection, testing, and commissioning of a Dual Solenoid Hydraulic Diaphragm Control Valve for flow and pressure control, constructed of ductile iron (DI), PN16 rated, and complying with EN 1074-5 standard <b>or equivalent</b> , with a low opening pressure (valve functioning in min differential pressure) of <b>0.2 to 0.3 bar</b> . Flanged PN16 as per EN 1092-2 <b>or equivalent</b> , the valve shall be complete with stainless steel (SS) tubing with all compression tubing fittings (i.e. filter/strainer, Needle, check, and Isolation valves, Pressure gauges, 1" Air release/vacuum valve), an IP68-rated solenoid with stainless steel body, and bypass ball valve arrangement for actuator. All associated sensors and accessories shall be SCADA-compatible and support PLC/RTU. The complete system shall be commissioned in accordance with SECTION VII-C: WORKS REQUIREMENTS Clause 7, the drawings, specifications, and the Engineer's instructions."	Bid Documents (Issued on December 23, 2025)

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S. N.	Reference	Description in the Notice of Bid Addendum No.:2/Bid Documents	Amendment	Remarks
26	Work No. C5: Instrumentation and SCADA system ; SCADA: S.NO.6- S.NO.8	Dual Solenoid Hydraulic Diaphragm Control Valve with Altitude Control Supply, erection, testing, and commissioning of a Dual Solenoid Hydraulic Diaphragm Control Valve with Altitude Control, constructed of ductile iron (DI), PN16 rated, and complying with EN 1074-5 standard, with automatic altitude control arrangement. Flanged PN16 as per EN 1092-2, the valve shall be complete with stainless steel (SS) tubing with all compression tubing fittings (i.e.. filter/strainer, Needle, check, and Isolation valves, Pressure gauges, 1" Air release/vacuum valve), an IP68-rated solenoid with stainless steel body, and a bypass ball valve arrangement for actuator. All associated sensors and accessories shall be SCADA-compatible and support PLC/RTU. The complete system shall be commissioned in accordance with the SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, specifications, and the Engineer's instructions.	Replace as following: "Dual Solenoid Hydraulic Diaphragm Control Valve with Altitude Control Supply, erection, testing, and commissioning of a Dual Solenoid Hydraulic Diaphragm Control Valve with Altitude Control, constructed of ductile iron (DI), PN16 rated, and complying with EN 1074-5 standard <b>or equivalent</b> , with automatic altitude control arrangement. Flanged PN16 as per EN 1092-2 <b>or equivalent</b> , the valve shall be complete with stainless steel (SS) tubing with all compression tubing fittings (i.e.. filter/strainer, Needle, check, and Isolation valves, Pressure gauges, 1" Air release/vacuum valve), an IP68-rated solenoid with stainless steel body, and a bypass ball valve arrangement for actuator. All associated sensors and accessories shall be SCADA-compatible and support PLC/RTU. The complete system shall be commissioned in accordance with the SECTION VII-C: WORKS REQUIREMENTS Clause 7, drawings, specifications, and the Engineer's instructions."	Bid Documents (Issued on December 23, 2025)
27	Bill of Quantities Work No. C6: Instrumentation and SCADA System S.No. 29	"?"	Replace "?" by "≤"	Bid Documents (Issued on December 23, 2025)
28	Bill of Quantities Work No. C6: Instrumentation and SCADA System S.No. 30, 31	"?"	Replace "?" by "≤"	Bid Documents (Issued on December 23, 2025)
29	Bill of Quantities Work No. D2: Dayswork S.No. 25	D.3 Days work: Equipment: Crane lifting capacity <b>at least 10 tonnes</b>	Replace as following: "D.3 Days work: Equipment: Crane lifting capacity <b>above 10 tonnes</b> "	Bid Documents (Issued on December 23, 2025)

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This is to notify all concerned that the bid invitation notice published on December 23 , 2025 in UNDB online and PPMO e-GP portal [www.bolpatra.gov.np/egp](http://www.bolpatra.gov.np/egp) of Government of Nepal for the "Bheri Pumping Package-II, (NP-DWSSM-508890-CW-RFB)" has Addendums as follows.

S. N.	Reference	Description in the Notice of Bid Addendum No.:2/Bid Documents	Amendment	Remarks
30	SECTION VII-C: WORKS REQUIREMENTS, TECHNICAL SPECIFICATIONS Clause 3.1.5.10	Backfilling of pipe trenches shall commence as soon as possible after the pipe has been laid and sand cradle bedding and embedment backfill has been placed around and over the top of the pipe to the height of blanket cover specified.	Replace as following "Backfilling of pipe trenches shall commence as soon as possible after the pipe has been laid and sand cradle bedding and embedment backfill ( <b>Sand filling in case of DI pipes</b> ) has been placed around and over the top of the pipe to the height of blanket cover specified."	Bid Documents (Issued on December 23, 2025)
31	SECTION VII: WORKS REQUIREMENTS Part - F: Environmental and Social Management Plan Page No. 18 (Page No. 823 of Bid Document pdf) Section 1.2.3.10 Pipeline Design Results	Excavation, backfilling and spoil quantity as mentioned and Table 4: Distribution Network with Pipe Size and Area Requirement for Construction and Excavation Volume	Entirely ignore the information provided in aforementioned sections and table. The total excavation and backfilling quantities are "300057 cum." and "289008.39 cum." respectively.	Bid Documents (Issued on December 23, 2025)
32	Technical Specifications Sub Clause 5.1.4 Butterfly Valve (Page no. 207)	All valves shall be operatable manually and also supplied with electrical actuators. Electrical actuator shall be complying to relevant ISO/National Standards and SCADA compatible. Valve manufacturer shall confirm suitability /compatibility of actuator proposed for operation of valve.	All valves shall be operatable manually and also supplied with electrical actuators (as specified in BoQ). Electrical actuator shall be complying to relevant ISO/National Standards and SCADA compatible. Valve manufacturer shall confirm suitability /compatibility of actuator proposed for operation of valve.	Bid Documents (Issued on December 23, 2025)