Bill of Quantities (BOQ)

Construction of Arun 1,2 Water Supply Project, Bhojpur

IFB No.: 337050801/WSSMO/Khotang/NCB/Works/Central/05/2083/84

Provisional Sum					
SL. No.	**Item Description**	**Unit**	**Quantity**	**Unit Rate (NPR)**	**Amount (NPR)**
PS.1	Insurances for the loss of damage to works, plant, material, equipment, property and personal injury or death and as stipulated in contract Data	P.S.	1.00	25,00,000.00 Twenty-five lakh rupees only.	25,00,000.00 Twenty-five lakh rupees only.
PS.2	Utility Relocation, Reinstallation, etc. , Third Party Inspection cost, claim, quality test, all items not covered by BOQ, etc.	P.S.	1.00	12,00,000.00 Twelve lakh rupees only.	12,00,000.00 Twelve lakh rupees only.
PS.3	Environmental Mitigation Cost for Greenery promotion around the construction sites. Necessary approval will be taken from the relevant authorities and compensatory plantation at 1:10 will be carried out. Trees of local economic value and aesthetic significance will be planted under compensatory plantation, management on impact of water bodies, bio-engineering, management of solid waste and waste from construction site and worker's camp and all other necessary migitation efforts to ensure smooth operation of the project.	P.S.	1.00	5,00,000.00 Five lakh rupees only.	5,00,000.00 Five lakh rupees only.
PS.4	As built drawing : Preparation and submission of "As built" drawing of all assets created including, but not limited to, pipeline network, pipeline appurtenances, valve chambers, civil structures in a format prescribed as per the Work's Requirement. The format should suitable for transferring to GIS and CAD database of pipeline of transmission, bulk distribution network, treatment plant location, reservoir location, and all related structures at the completion of each section / component of the work. Sheet Size: A1 / A2 / A3 (as appropriate) (3 hard copies and one soft copy)	PS	1.00	3,00,000.00 Three lakh rupees only.	3,00,000.00 Three lakh rupees only.
	Total provisional sums				45,00,000.00 Forty-five lakh rupees only.

Construction work **CPV: 45000000-7 - Construction work**						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.1	Provide and maintain cube testing facilities including moulds for the duration of the contract and preparation and testing of cubes, marking, curing, storing and transport to lab for tests and maintain full records (Equipment and moulds to remain in the contractor's property), Paid as number of cubes for all complete work as per direction of Engineer	No.	500.00			
1.2	Provide photographs (Digital CD) and colour prints, sized A4, 24 nos., each month for inclusion in peroidic progress report to the satisfaction of the engineer. (6 sheet A4 size color Photo Paper per months)	Months	36.00			
1.3	Provide survey equipments of types and numbers as specified, for the Engineer's requirement, maintenance of them, including services of adequate number of survey assistants and labourers for all the sites for the period of the Contract as per Specification.	months	36.00			
1.4	Provide safety equipment for the Engineer at each of the site offices of the types and number specified for the period of the Contract as per Specification.	Months	36.00			
1.5	Providing Site office of at least 200sq.ft with necessary furnishing near the project area for the supervising engineer from the client	Months	36.00			
1.6	Provision of joint survey for the location of reservoirs, pipelengths, junctions and other necessary civil structures for the project with their accessibility	LS	1.00			
1.7	Earthwork in excavation by manual method for pipeline work for all types of soil from ground level to underside of the pipeline and disposal of surplus materials to the specified site as directed by the Engineer and including dewatering all complete as per Clause 2.2 and other clause of the specification.	m^3	76,237.00			

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SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.8	Earthwork in excavation by any means method for foundation work for all types of soil from ground level to underside of the pipeline and disposal of surplus materials to the specified site as directed by the Engineer and including dewatering all complete as per Clause 2.2 and other clause of the specification.	m^3	1,837.39			
1.9	Earth filling work with all type of stacked soil in 20cm thick layer by layer with water sprinkling, compaction with ramming and site clearance for foundation and other trenches all complete as per Clause 2.2,3 and other clause of the specification and as directed by the Engineer.	m^3	77,833.90			
1.10	Earth work in excavation of foundation or pipeline trenches 0-3m in depth in all type of soil by using excavator, including construction of shoring and bracing, removal of stumps and other deleterious matter and backfilling with approved Material as per Drawing and Technical Specifications	m^3	3,935.66			
1.11	Dry stone soling in foundation lead upto 30 m and depth upto 5m and for flooring work with levelling including supply of all materials as per Clause 2.5.8 and other clause of the specification and as per directed by the Engineer.	m^3	734.18			
1.12	Random rubble masonry work up to the super structure from foundation with lead upto 10m and height upto 5m in cement sand mortar (1:6) including supply of materials, scaffolding, curing as per specification as per Clause 2.5.5 and other related clause of the specification and as directed by the Engineer	m^3	495.49			
1.13	Gravel packing of aggregate size of 20-40mm for 30m lead and upto 5m depth as per Clause 2 and other clause of the Specification and as per directed by the Engineer.	m^3	16.66			
1.14	Brick masonry work up in cement sand mortar (1:4) including supply of materials, scaffolding, curing as per specification as per Clause 2.5.5 and other related clause of the Specification and as directed by the Engineer	m^3	289.30			

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SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.15	Concrete work M15 for PCC work in super-structure as per shape and size shown in drawings including supply of all materials and curing as per Clause 2.3 and other related clause of the specification and as directed by the Engineer.	m^3	675.63			
1.16	Concrete work M20 for in super-structure RCC work as per shape and size shown in drawings including supply of all material and curing and as per Clause 2.3 and other related clause of the specification and as directed by the Engineer.	m^3	337.59			
1.17	Concrete work M25 for in super-structure RCC work as per shape and size shown in drawings including supply of all material and curing and as per Clause 2.3 and other related clause of the specification and as directed by the Engineer.	m^3	627.60			
1.18	Supply of materials and fabricating complete Reinforcement Steel Works (Fe 500) for any RCC works as per the drawing, specification and directed by the Engineer including cutting, bending, placing in position and binding by Binding wire, including all lap lengths/ wastage, etc. with all lead and lift	kg	1,53,328.50			
1.19	Preparation of wooden shuttering works for arch,dome, etc.as per shape and size shown in drawings including supply of all materials as per Clause 2.3 and other related clause of the specification and as directed by Engineer	m^2	750.95			
1.20	Preparation of wooden shuttering works for different simple slab, simple vertical surfaces and RCC structure as per shape and size shown in drawings including supply of all materials upto 3m (Class F2 Finish) as per approved Material and Technical Specification	sq.m	5,702.93			
1.21	Supply and fixing of 26 gage colored CGI plain sheet for roofing work including all materials as per Clause 2 and other related clause of the specification and as directed by the Engineer	m^2	83.34			

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1.22	Supply of machine made GI wire gabion boxes of mesh size: 100 mm * 120 mm with heavy coated GI wires (mesh wire 3 mm, selvdge wire: 3.9 mm and lacing wire: 2.4 mm): size 2×1×1 m and placing in site and tying all complete as per Clause 2 and other related clause of the specification and as directed by the Engineer	no	159.00			
1.23	Supply of machine made GI wire gabion boxes of mesh size: 100 mm * 120 mm with heavy coated GI wires (mesh wire 3 mm, selvdge wire: 3.9 mm and lacing wire: 2.4 mm): size 2×1×0.5 m and placing in site and tying all complete as per Clause 2 and other related clause of the specification and as directed by the Engineer	no	4.00			
1.24	Supply of stones from quarry and filling in the gabion box as per clause 2.2 and related clause of the specification and as directed by the Engineer.	m^3	322.00			
1.25	12.5 mm thick plastering in wall, ceiling, floor including preparation of cement sand mortar in ratio 1:3 lead upto 30 m , surface dressing, sprinkling with water, finishing the surface and curing including supply of all materials, all complete as per Clause 2.6 and other related clause of the specification and as directed by the Engineer.	m^2	6,585.59			
1.26	12.5 mm thick plastering in Outer Walls of Structure including preparation of cement sand mortar in ratio 1:4 lead upto 30 m , surface dressing, sprinkling with water, finishing the surface and curing including supply of all materials, all complete as per Clause 2.6 and other related clause of the specification and as directed by the Engineer.	m^2	1,021.58			
1.27	20 mm thick plastering in Intakes wall, ceiling, floor including preparation of cement sand mortar in ratio 1:3 lead upto 30 m , surface dressing, sprinkling with water, finishing the surface and curing including supply of all materials, all complete as per Clause 2.6 and other related clause of the specification and as directed by the Engineer.	m^2	16.73			

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SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.28	Punning over the plastered surface in wall and floor including prepation of cement sand mortar in ration 1:1 with lead 30 m and curing including supply of all material as per Clause 2.7 and other related clause of the specification and as directed by the Engineer.	m^2	2,436.25			
1.29	Laying primer course and two coats of enamel paint on the specificied sufraces including supply of all materials as per Clause 2.7 and other related Clause of the specification and as directed by the Engineer	m^2	117.73			
1.30	Laying base course and two coats of bitumin paint on the buried sufraces of the storage tanks and other specified surfaces including supply of all materials as per Clause 2.7 and other related Clause of the specification and as directed by the Engineer	m^2	988.29			
1.31	Laying base course and two coats of weather coat paint on the specified surfaces including supply of all materials as per Clause 2.7 and other related Clause of the Specification and as directed by the Engineer	m^2	1,956.51			
1.32	Laying and joining of 65, 80 mmØ GI pipe with arc weld joints as per Clause 3 and other related Clause of the specification and as directed by the Engineer	m	4.00			
1.33	Supply and preparation and placing of MS angle (ISA 40×40×6 mm) for wiremesh fencing work as shown in drawing and as per Clause 2.8 and other related clause of the specification and as directed by Engineer	kg	853.99			
1.34	Supply of GI pipe ladder of side rails 32 mmØ GI pipe (Medium), strungs of 15 mmØ GI (Medium) pipe, width of 45 cm width and 4.1 m long as per the drawings and related clause 2.8 of specification or as directed by the Engineer	no	9.00			
1.35	Supply and installation of GI water stopper 150 mm wide, 20 SWG as directed by the Engineer	m	1,300.34			

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SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.36	Supply and installation of chlorination tank mechanized as shown in drawing including all fixture and accessories and as per Clause 2.8 and other related clause of the specification and as directed by the Engineer.	job	9.00			
1.37	Providing and fixing of Water Level indicator complet work and as directed by the Engineer	job	9.00			
1.38	Supply and installation of grill work for given door and window size shown in drawing including all fixture and accessories and as per Clause 2.8 and other related clause of the specification and as directed by the Engineer	kg	160.88			
1.39	Supply and installation of 10 mmØ bar mesh on MS angle (40×40×6) frame to lantern opening sides size- 0.75×1.00 m including fabrication as per specification and as directed by the Engineer	no	36.00			
1.40	Supply and installation of 50 mmØ GI pipe orifices of 75 mm length as per specification and as directed by the Engineer	no	80.00			
1.41	Supply, make 3 mm size - 60 perforations in each and laying the laterals for the SSF underdrain system with joining to the header, size of laterals: 63 mmØ 10 kg/cm^2 HDPE as per specification and as directed by the Engineer	m	172.90			
1.42	Supply, prepare and laying the header pipe for the SSF underdrain system: 250 mmØ 10 kg/cm^2 HDPE including joining to the laterals as per specification and as directed by the Engineer	m	38.00			
1.43	Supply and filling of 20-63 mm size gravel filter media on the base of SSF as per specification and as directed by the Engineer	m^3	71.16			
1.44	Supply and filling of 9-14 mm gravel filter media on the base of SSF as per specification and as directed by the Engineer	m^3	58.14			
1.45	Supply and filling of 3-6 mm gravel filter media on the base of SSF as per specification and as directed by the Engineer	m^3	58.14			

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1.46	Supply and filling of silica sand (effective size - 0.25 to 0.35 mm and uniformity coefficient - 2.5 to 3 above the gravel filter media of SSF as per specification and as directed by the Engineer	m^3	523.26			
1.47	Supply and prepration, placing and tightening of 2"x2"-10swg Wire mesh Chainlink wiremesh fencing of 1.83m(6ft) specific with stretching as per drawing and clause 2.8 of the specification and as directed by the Engineer	m^2	737.48			
1.48	Welding and Anchoring for RCC pipe Support as per the specification and as directed by the Engineer	job	207.00			
1.49	Supply & laying of ceramic tiles of approved color in 1:4 c/s mortar as per the specification and as directed by the Engineer	m^2	22.17			
1.50	Single Layer Flat brick soling as per the Drawings and specification and as per directed by the Engineer	m^2	241.36			
1.51	Supply, fabrication and installation of standard GI (M) pipe railing on outer walls (height -1.05 m, main railing - 32 mmØ, inner balustrades -15 mmØ, lower horizontal member - 25 mmØ) including two entrances with locking system.	m	163.63			
1.52	Supply and Installation of Sanitary Works for Office Buildings with items detailed in the Sanitary schedule of the provided standard drawing	LS	1.00			
1.53	Supply and Installation of Electrical Works for Office Buildings with items detailed in the Electrical schedule of the provided standard drawing	LS	1.00			
1.54	Supply and Installation of Sanitary Works for Treatment Plant Operator House with items detailed in the table of the provided standard drawing	LS	1.00			

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1.55	Supply and Installation of Electrical Works for Treatment Plant Operator House with items detailed in the table of the provided standard drawing	LS	1.00			
1.56	Supplying and Installation of UPVC profile sliding window frame 80*50 mm white color, sliding window sash 55*36 mm with galvanised steel reinforcement of 1.5 mm, 5 mm thick clear glass, insect net, patented standard hardware like: rollers, gaskets, brush seal, moon locks, drinage cover etc. as per specification and as directed by the engineer.	sq.m	23.85			
1.57	Supplying and Installation of UPVC profile swing door frame 60*60 mm white color, swing door sash 55*36 mm with galvanised steel reinforcement of 1.5 mm, 5 mm thick clear glass, insect net, patented standard hardware like: rollers, gaskets, brush seal, moon locks, drinage cover etc. as per specification and as directed by the engineer.	sq.m	18.90			
1.58	Supply and Installation of square hollow section (as of ISB) black Iron pipe as Truss structure and painted with primer as per specification and as directed by the engineer.	kg	1,238.17			
1.59	Supply and installation of FRP manhole cover (60×60 cm^2) as per drawings and directed by engineer	no	175.00			
1.60	Supply and installation of FRP manhole cover (45×45 cm^2) as per drawings and directed by engineer	no	4.00			
1.61	Supply, preparation and installation of 1 cm thick MS plate rectangular weirs as per engineers and Technical Specifications	kg	1,050.92			
1.62	Supply, Prepare and Fabrication of MS Sections and Pipes for Fencing including primer paint as per approved Material and Technical Specification	kg	9,270.61			

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SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.63	Supply, laying, transportation and jointing of 25 mmØ PN-16, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	53,647.00			
1.64	Supply, laying, transportation and jointing of 25 mmØ PN-20, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	9,240.00			
1.65	Supply, laying, transportation and jointing of 32 mmØ PN-16, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	18,177.50			
1.66	Supply, laying, transportation and jointing of 32 mmØ PN-20, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	1,859.00			
1.67	Supply, laying, transportation and jointing of 40 mmØ PN-10, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	6,847.50			
1.68	Supply, laying, transportation and jointing of 40 mmØ PN-16, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	1,672.00			
1.69	Supply, laying, transportation and jointing of 40 mmØ PN-20, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	1,870.00			

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1.70	Supply, laying, transportation and jointing of 50 mmØ PN-10, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	12,182.50			
1.71	Supply, laying, transportation and jointing of 50 mmØ PN-16, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	4,119.50			
1.72	Supply, laying, transportation and jointing of 50 mmØ PN-20, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	984.50			
1.73	Supply, laying, transportation and jointing of 63 mmØ PN-10, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	10,862.50			
1.74	Supply, laying, transportation and jointing of 63 mmØ PN-16, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	3,415.50			
1.75	Supply, laying, transportation and jointing of 63 mmØ PN-20, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	1,188.00			
1.76	Supply, laying, transportation and jointing of 63 mmØ PN-6, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	260.00			

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1.77	Supply, laying, transportation and jointing of 75 mmØ PN-10, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	6,605.50			
1.78	Supply, laying, transportation and jointing of 75 mmØ PN-16, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	1,353.00			
1.79	Supply, laying, transportation and jointing of 75 mmØ PN-20, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	500.50			
1.80	Supply, laying, transportation and jointing of 75 mmØ PN-6, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	85.00			
1.81	Supply, laying, transportation and jointing of 90 mmØ PN-10, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	4,504.50			
1.82	Supply, laying, transportation and jointing of 90 mmØ PN-16, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	3,487.00			
1.83	Supply, laying, transportation and jointing of 90 mmØ PN-20, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	1,259.50			

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1.84	Supply, laying, transportation and jointing of 90 mmØ PN-6, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	7,283.40			
1.85	Supply, laying, transportation and jointing of 110 mmØ PN-10, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	1,738.00			
1.86	Supply, laying, transportation and jointing of 110 mmØ PN-16, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	154.00			
1.87	Supply, laying, transportation and jointing of 110 mmØ PN-6, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	2,455.20			
1.88	Supply, laying, transportation and jointing of 125 mmØ PN-10, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	165.00			
1.89	Supply, laying, transportation and jointing of 125 mmØ PN-6, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	1,468.50			
1.90	Supply, laying, transportation and jointing of 140 mmØ PN-6, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	539.00			

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1.91	Supply, laying, transportation and jointing of 160 mmØ PN-10, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	3,678.00			
1.92	Supply, laying, transportation and jointing of 160 mmØ PN-16, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	885.50			
1.93	Supply, laying, transportation and jointing of 160 mmØ PN-20, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	951.50			
1.94	Supply, laying, transportation and jointing of 160 mmØ PN-6, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	2,342.90			
1.95	Supply, laying, transportation and jointing of 180 mmØ PN-10, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	1,100.00			
1.96	Supply, laying, transportation and jointing of 180 mmØ PN-16, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	924.00			
1.97	Supply, laying, transportation and jointing of 180 mmØ PN-20, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	1,001.00			

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1.98	Supply, laying, transportation and jointing of 180 mmØ PN-6, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	3,476.00			
1.99	Supply, laying, transportation and jointing of 20 mmØ PN-16, PE 100 HDPE pipe conforming to NS-40 or equivalent as per Clause 5 and other related clause of the specification, manufacturer's instruction and as directed by the Engineer	m	57,060.00			
1.100	Supply, laying, transportation and jointing of 150 mmØ GI pipe (medium duty) confirming to NS-199 or equivalent both end threaded, one end socketted as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	2,633.00			
1.101	Supply, laying, transportation and jointing of 150 mmØ GI pipe (heavy duty) confirming to NS-199 or equivalent both end threaded, one end socketted as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	1,034.00			
1.102	Supply, laying, transportation and jointing of 20 mmØ GI pipe (heavy duty) confirming to NS-199 or equivalent both end threaded, one end socketted as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	180.00			
1.103	Supply, laying, transportation and jointing of 25 mmØ GI pipe (heavy duty) confirming to NS-199 or equivalent both end threaded, one end socketted as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	144.00			

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1.104	Supply, laying, transportation and jointing of 32 mmØ GI pipe (heavy duty) confirming to NS-199 or equivalent both end threaded, one end socketted as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	72.00			
1.105	Supply, laying, transportation and jointing of 40 mmØ GI pipe (heavy duty) confirming to NS-199 or equivalent both end threaded, one end socketted as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	90.00			
1.106	Supply, laying, transportation and jointing of 50 mmØ GI pipe (heavy duty) confirming to NS-199 or equivalent both end threaded, one end socketted as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	36.00			
1.107	Supply, laying, transportation and jointing of 65 mmØ GI pipe (heavy duty) confirming to NS-199 or equivalent both end threaded, one end socketted as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	36.00			
1.108	Supply, laying, transportation and jointing of 80 mmØ GI pipe (heavy duty) confirming to NS-199 or equivalent both end threaded, one end socketted as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	36.00			
1.109	Supply, laying, transportation and jointing of 100 mmØ GI pipe (heavy duty) confirming to NS-199 or equivalent both end threaded, one end socketted as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	36.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.110	Supply, laying, transportation and jointing of 15 mmØ GI pipe (medium duty) confirming to NS-199 or equivalent both end threaded, one end socketted as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	174.00			
1.111	Supply, laying, transportation and jointing of 20 mmØ GI pipe (medium duty) confirming to NS-199 or equivalent both end threaded, one end socketted as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	72.00			
1.112	Supply, laying, transportation and jointing of 25 mmØ GI pipe (medium duty) confirming to NS-199 or equivalent both end threaded, one end socketted as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	128.00			
1.113	Supply, laying, transportation and jointing of 32 mmØ GI pipe (medium duty) confirming to NS-199 or equivalent both end threaded, one end socketted as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	60.00			
1.114	Supply, laying, transportation and jointing of 40 mmØ GI pipe (medium duty) confirming to NS-199 or equivalent both end threaded, one end socketted as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	138.00			
1.115	Supply, laying, transportation and jointing of 50 mmØ GI pipe (medium duty) confirming to NS-199 or equivalent both end threaded, one end socketted as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	102.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.116	Supply, laying, transportation and jointing of 65 mmØ GI pipe (medium duty) confirming to NS-199 or equivalent both end threaded, one end socketted as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	66.00			
1.117	Supply, laying, transportation and jointing of 80 mmØ GI pipe (medium duty) confirming to NS-199 or equivalent both end threaded, one end socketted as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	72.00			
1.118	Supply, laying, transportation and jointing of 100 mmØ GI pipe (medium duty) confirming to NS-199 or equivalent both end threaded, one end socketted as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	60.00			
1.119	Supply, laying, transportation and jointing of 125 mmØ GI pipe (medium duty) confirming to NS-199 or equivalent both end threaded, one end socketted as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	36.00			
1.120	Supply, laying, transportation and jointing of GI Pipe piece (100 mmØ) 0.30 m long confirming to NS-199 or equivalent both end threaded, one end socketted as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	no	2.00			
1.121	Supply, laying, transportation and jointing of GI Pipe piece (100 mmØ) 0.45 m long confirming to NS-199 or equivalent both end threaded, one end socketted as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	no	5.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.122	Supply, laying, transportation and jointing of GI Pipe piece (100 mmØ) 0.65 m long confirming to NS-199 or equivalent both end threaded, one end socketted as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	no	2.00			
1.123	Supply, laying, transportation and jointing of GI Pipe piece (100 mmØ) 0.73 m long confirming to NS-199 or equivalent both end threaded, one end socketted as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	no	4.00			
1.124	Supply, laying, transportation and jointing of GI Pipe piece (100 mmØ) 1.0 m long confirming to NS-199 or equivalent both end threaded, one end socketted as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	no	2.00			
1.125	Supply, laying, transportation and jointing of 150 mmØ DI pipe (Flanged End) confirming to IS-2531 or equivalent as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	no	78.20			
1.126	Supply delivery and installation of Brass Union (20x25 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	24.00			
1.127	Supply delivery and installation of Brass Union (25x32 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	29.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.128	Supply delivery and installation of Brass Union (32x40 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	21.00			
1.129	Supply delivery and installation of Brass Union (40x50 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	46.00			
1.130	Supply delivery and installation of Bulk water meter (150 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	set	1.00			
1.131	Supply delivery and installation of Bulk water meter (50 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	set	4.00			
1.132	Supply delivery and installation of Bulk water meter (65 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	set	3.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.133	Supply delivery and installation of Bulk water meter (80 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	set	2.00			
1.134	Supply delivery and installation of CI Air Valve (15 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	27.00			
1.135	Supply delivery and installation of DI All Flanged Tee (100×100 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	10.00			
1.136	Supply delivery and installation of DI All Flanged Tee (200×150 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	2.00			
1.137	Supply delivery and installation of DI Double flanged 90° bend (100 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	432.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.138	Supply delivery and installation of DI Double flanged 90° bend (150 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	18.00			
1.139	Supply delivery and installation of DI Double flanged 90° bend (125 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	432.00			
1.140	Supply delivery and installation of DI Double flanged 90° bend (200 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	2.00			
1.141	Supply delivery and installation of DI Double flanged duckfoot 90° bend (150 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	3.00			
1.142	Supply delivery and installation of DI Double Flanged Tail piece, 1m long (100 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	188.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.143	Supply delivery and installation of DI Double Flanged Tail piece, 1m long (125 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	9.00			
1.144	Supply delivery and installation of DI Double Flanged Tail piece, 1m long (150 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	48.00			
1.145	Supply delivery and installation of DI Double Flanged Tail piece, 1m long (200 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	4.00			
1.146	Supply delivery and installation of DI All Flanged Tee (150×150 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	6.00			
1.147	Supply delivery and installation of DI Flanged Bell mouth (100 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	17.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.148	Supply delivery and installation of DI Flanged Bell mouth (125 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	1.00			
1.149	Supply delivery and installation of DI Flanged Bell mouth (150 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	2.00			
1.150	Supply delivery and installation of DI Mechanical Coupling (100 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	set	30.00			
1.151	Supply delivery and installation of DI Mechanical Coupling (125 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	set	1.00			
1.152	Supply delivery and installation of DI Mechanical Coupling (150 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	set	13.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.153	Supply delivery and installation of DI Mechanical Coupling (200 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	set	2.00			
1.154	Supply delivery and installation of DI Single Flanged Tail piece, 1m long (100 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	121.00			
1.155	Supply delivery and installation of DI Single Flanged Tail piece, 1m long (125 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	4.00			
1.156	Supply delivery and installation of DI Single Flanged Tail piece, 1m long (150 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	51.00			
1.157	Supply delivery and installation of DI Single Flanged Tail piece, 1m long (200 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	6.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.158	Supply delivery and installation of DI Sluice Valve (100 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	58.00			
1.159	Supply delivery and installation of DI Sluice Valve (125 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	3.00			
1.160	Supply delivery and installation of DI Sluice Valve (150 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	14.00			
1.161	Supply delivery and installation of DI sluice valve (200 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	2.00			
1.162	Supply delivery and installation of DI-HDPE flange set (150×160 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	set	24.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.163	Supply delivery and installation of DI-HDPE flange set (200×250 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	set	4.00			
1.164	Supply delivery and installation of Flange set with HDPE Adaptor (100 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	71.00			
1.165	Supply delivery and installation of Flange set with HDPE Adaptor (125 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	5.00			
1.166	Supply delivery and installation of Flange set with HDPE Adaptor (150 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	19.00			
1.167	Supply delivery and installation of Flanged Butterfly valve with gear operation (150 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	set	2.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.168	Supply delivery and installation of GI Blind flange set (100 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	set	77.00			
1.169	Supply delivery and installation of GI Blind flange set (125 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	set	32.00			
1.170	Supply delivery and installation of GI Blind flange set (65 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	set	9.00			
1.171	Supply delivery and installation of GI Blind flange set (80 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	set	47.00			
1.172	Supply delivery and installation of GI Elbow (100 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	18.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.173	Supply delivery and installation of GI Elbow (15 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	55.00			
1.174	Supply delivery and installation of GI Elbow (20 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	30.00			
1.175	Supply delivery and installation of GI Elbow (25 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	33.00			
1.176	Supply delivery and installation of GI Elbow (32 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	15.00			
1.177	Supply delivery and installation of GI Elbow (40 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	68.00			
1.178	Supply delivery and installation of GI Elbow (50 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	41.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.179	Supply delivery and installation of GI Elbow (65 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	9.00			
1.180	Supply delivery and installation of GI Elbow (80 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	18.00			
1.181	Supply delivery and installation of GI Equal Tee (100 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	2.00			
1.182	Supply delivery and installation of GI Equal Tee (25 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	11.00			
1.183	Supply delivery and installation of GI Equal Tee (32 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	1.00			
1.184	Supply delivery and installation of GI Equal Tee (40 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	1.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.185	Supply delivery and installation of GI Equal Tee (50 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	1.00			
1.186	Supply delivery and installation of GI Equal Tee (65 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	4.00			
1.187	Supply delivery and installation of GI Equal Tee (80 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	1.00			
1.188	Supply delivery and installation of GI Nipple(H)-6" LONG (100 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	72.00			
1.189	Supply delivery and installation of GI Nipple(H)-6" LONG (125 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	2.00			
1.190	Supply delivery and installation of GI Nipple(H)-6" LONG (20 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	86.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.191	Supply delivery and installation of GI Nipple(H)-6" LONG (25 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	54.00			
1.192	Supply delivery and installation of GI Nipple(H)-6" LONG (32 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	29.00			
1.193	Supply delivery and installation of GI Nipple(H)-6" LONG (40 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	72.00			
1.194	Supply delivery and installation of GI Nipple(H)-6" LONG (50 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	56.00			
1.195	Supply delivery and installation of GI Nipple(H)-6" LONG (65 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	19.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.196	Supply delivery and installation of GI Nipple(H)-6" LONG (80 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	61.00			
1.197	Supply delivery and installation of GI Plug (40 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	26.00			
1.198	Supply delivery and installation of GI Plug (50 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	14.00			
1.199	Supply delivery and installation of GI Reducer Socket (100x80 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	12.00			
1.200	Supply delivery and installation of GI Reducer Socket (150x125 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	1.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.201	Supply delivery and installation of GI Reducer Socket (25x20 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	10.00			
1.202	Supply delivery and installation of GI Reducer Socket (32x25 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	11.00			
1.203	Supply delivery and installation of GI Reducer Socket (40x32 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	6.00			
1.204	Supply delivery and installation of GI Reducer Socket (50x40 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	14.00			
1.205	Supply delivery and installation of GI Reducer Socket (65x50 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	9.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.206	Supply delivery and installation of GI Reducer Socket (80x50 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	2.00			
1.207	Supply delivery and installation of GI Socket 40 mmØ including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	26.00			
1.208	Supply delivery and installation of GI Socket 50 mmØ including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	14.00			
1.209	Supply delivery and installation of GI Strainer (100 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	7.00			
1.210	Supply delivery and installation of GI Strainer (150 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	1.00			
1.211	Supply delivery and installation of GI Strainer (25 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	10.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.212	Supply delivery and installation of GI Strainer (32 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	11.00			
1.213	Supply delivery and installation of GI Strainer (40 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	6.00			
1.214	Supply delivery and installation of GI Strainer (50 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	14.00			
1.215	Supply delivery and installation of GI Strainer (65 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	9.00			
1.216	Supply delivery and installation of GI Unequal Tee (100x15 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	1.00			
1.217	Supply delivery and installation of GI Unequal Tee (100x20 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	1.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.218	Supply delivery and installation of GI Unequal Tee (100x40 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	2.00			
1.219	Supply delivery and installation of GI Unequal Tee (100x50 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	3.00			
1.220	Supply delivery and installation of GI Unequal Tee (100x65 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	1.00			
1.221	Supply delivery and installation of GI Unequal Tee (100x80 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	1.00			
1.222	Supply delivery and installation of GI Unequal Tee (125x15 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	2.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.223	Supply delivery and installation of GI Unequal Tee (20x15 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	31.00			
1.224	Supply delivery and installation of GI Unequal Tee (25x15 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	12.00			
1.225	Supply delivery and installation of GI Unequal Tee (32x15 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	8.00			
1.226	Supply delivery and installation of GI Unequal Tee (40x15 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	15.00			
1.227	Supply delivery and installation of GI Unequal Tee (50x15 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	12.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.228	Supply delivery and installation of GI Unequal Tee (65x15 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	5.00			
1.229	Supply delivery and installation of GI Unequal Tee (80x15 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	7.00			
1.230	Supply delivery and installation of GI Unequal Tee (80x20 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	1.00			
1.231	Supply delivery and installation of GI Unequal Tee (80x25 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	2.00			
1.232	Supply delivery and installation of GI Unequal Tee (80x40 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	2.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.233	Supply delivery and installation of GI Unequal Tee (80x50 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	1.00			
1.234	Supply delivery and installation of GI Union (15 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	27.00			
1.235	Supply delivery and installation of GI Union (20 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	24.00			
1.236	Supply delivery and installation of GI Union (25 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	29.00			
1.237	Supply delivery and installation of GI Union (32 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	17.00			
1.238	Supply delivery and installation of GI Union (40 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	39.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.239	Supply delivery and installation of GI Union (50 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	33.00			
1.240	Supply delivery and installation of GI Union (65 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	14.00			
1.241	Supply delivery and installation of GI Union (80 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	38.00			
1.242	Supply delivery and installation of GI-GI flange set (100 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	set	38.00			
1.243	Supply delivery and installation of GI-GI flange set (125 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	set	2.00			
1.244	Supply delivery and installation of GI-HDP flange set (100x110 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	set	2.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.245	Supply delivery and installation of GI-HDP flange set (100x125 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	set	19.00			
1.246	Supply delivery and installation of GI-HDP flange set (125x140 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	set	5.00			
1.247	Supply delivery and installation of GI-HDP flange set (50x63 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	set	24.00			
1.248	Supply delivery and installation of GI-HDP flange set (65x75 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	set	23.00			
1.249	Supply delivery and installation of GI-HDP flange set (80x90 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	set	22.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.250	Supply delivery and installation of GM Gate Valve (100 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	7.00			
1.251	Supply delivery and installation of GM Gate Valve (20 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	20.00			
1.252	Supply delivery and installation of GM Gate Valve (25 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	23.00			
1.253	Supply delivery and installation of GM Gate Valve (32 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	12.00			
1.254	Supply delivery and installation of GM Gate Valve (40 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	29.00			
1.255	Supply delivery and installation of GM Gate Valve (50 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	19.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.256	Supply delivery and installation of GM Gate Valve (65 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	4.00			
1.257	Supply delivery and installation of GM Gate Valve (80 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	14.00			
1.258	Supply delivery and installation of GM Globe Valve (100 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	5.00			
1.259	Supply delivery and installation of GM Globe Valve (20 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	2.00			
1.260	Supply delivery and installation of GM Globe Valve (25 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	2.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.261	Supply delivery and installation of GM Globe Valve (32 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	1.00			
1.262	Supply delivery and installation of GM Globe Valve (40 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	4.00			
1.263	Supply delivery and installation of GM Globe Valve (50 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	6.00			
1.264	Supply delivery and installation of GM Globe Valve (65 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	1.00			
1.265	Supply delivery and installation of GM Globe Valve (80 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	7.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.266	Supply delivery and installation of Saddle 110 mm dia. including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	5.00			
1.267	Supply delivery and installation of Saddle 125 mm dia. including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	13.00			
1.268	Supply delivery and installation of Saddle 25mm dia. including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	881.00			
1.269	Supply delivery and installation of Saddle 32 mm dia. including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	286.00			
1.270	Supply delivery and installation of Saddle 40 mm dia. including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	126.00			
1.271	Supply delivery and installation of Saddle 50 mm dia. including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	245.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.272	Supply delivery and installation of Saddle 63 mm dia. including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	195.00			
1.273	Supply delivery and installation of Saddle 75 mm dia. including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	3.00			
1.274	Supply delivery and installation of Saddle 90 mm dia. including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	150.00			
1.275	Supply delivery and installation of Compression Brass Union (15x20 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	1,902.00			
1.276	Supply delivery and installation of GM Ferrule Cock (15 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	1,902.00			
1.277	Supply delivery and installation of Compression Brass Union (15x20 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	3,804.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.278	Supply delivery and installation of GI Elbow (15 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	7,608.00			
1.279	Supply delivery and installation of GM Gate Valve (15 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	1,902.00			
1.280	Supply delivery and installation of GI Nipple(H)-6" LONG (15 mmØ) including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	7,608.00			
1.281	Supply delivery and installation of Volumetric Rotatory Piston Water Body conforming to ISO 4064 Meterological Class B and Pressure rating of minimum PN-16 with ND 15mm including earthwork and minor civil works, transporation and portaring all complete work as per clause 5, 16 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	no	1,902.00			
1.282	Concrete work M15 for PCC work in super-structure as per shape and size shown in drawings including supply of all materials and curing as per Clause 2.3 and other related clause of the specification and as directed by the Engineer.	no	34.24			
1.283	Earthwork in excavation by manual method for foundation or pipeline work for all types of soil from ground level to underside of the pipeline and disposal of surplus materials to the specified site as directed by the Engineer and including dewatering all complete as per Clause 2.2 and other clause of the specification.	m3	7,050.80			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.284	Earth filling work with all types of soil in 20cm thick layer by layer with water sprinkling, compaction with ramming and site clearance for foundation and other trenches all complete as per Clause 2.2,3 and other clause of the specification and as directed by the Engineer.	m3	7,050.80			
1.285	Installation of Pipes and fittings for household Connection as per engineers and Technical Specifications	m3	1,902.00			

Total Item Price	
VAT (13.00%)	
Grand Total	