Bill of Quantities (BOQ)

Construction of Rainas Water Supply Project, Rainas Municipality,Lamjung

IFB No.: 337053701/WSSMOLMG/NCB/Works/083/84-06

Provisional Sum					
SL. No.	**Item Description**	**Unit**	**Quantity**	**Unit Rate (NPR)**	**Amount (NPR)**
PS.2	Insurances against loss of damage to works, plant, material, equipment, property and personal injury or death and as stipulated in contract Data	PS	1.00	20,00,000.00 Twenty lakh rupees only.	20,00,000.00 Twenty lakh rupees only.
PS.3	Utility Relocation, Reinstallation, etc. , Third Party Inspection cost, claim, quality test, all items not covered by BOQ, etc.	PS	1.00	12,00,000.00 Twelve lakh rupees only.	12,00,000.00 Twelve lakh rupees only.
PS.4	Environmental Mitigation Cost for Greenery promotion around the construction sites and all other necessary migitation efforts to ensure smooth operation of the project.	PS	1.00	5,00,000.00 Five lakh rupees only.	5,00,000.00 Five lakh rupees only.
PS.5	Provision of joint survey for the location of reservoirs, pipelengths, junctions and other necessary civil structures for the project with their accessibility	PS	1.00	3,00,000.00 Three lakh rupees only.	3,00,000.00 Three lakh rupees only.
PS.6	Power Consumption cost for Pump or Utility Operation as per NEA bill for a period of 12 months (Operation and maintenance period) for both schemes	PS	1.00	19,53,159.39 Nineteen lakh fifty-three thousand one hundred fifty-nine rupees and thirty-nine paisa only.	19,53,159.39 Nineteen lakh fifty-three thousand one hundred fifty-nine rupees and thirty-nine paisa only.
	Total provisional sums				59,53,159.39 Fifty-nine lakh fifty-three thousand one hundred fifty-nine rupees and thirty-nine paisa only.

Civil Works						
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	No.	300.00			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
	property), Paid as number of cubes for all complete work as per direction of Engineer					
1.2	Provide photographs (Digital CD) and colour prints, sized A4, 30 nos., each month for inclusion in peroidic progress report to the satisfaction of the engineer.	month	24.00			
1.3	Bleaching powder cost for disinfection of water at the water treatment plant for a period of 12 months (Operation and maintenance period)as per specification clause 2.2.	kg	1,800.00			
1.4	Expense of office stationery for System Operation/ Billing/ Account-keeping for Operation and maintenance period	month	1.00			
1.5	Providing Meter reader over Operation and Maintenance Period	person-month	24.00			
1.6	Providing water Supply and Sanitation Technician with a role of Account keeping and Plumbing.	person-month	24.00			
1.7	Providing for chaukidar overr Operation and Maintenance Period	person-month	24.00			
1.8	Earthwork in excavation with site clearance for foundation or pipeline works for all types of soil from ground level to underside of pipeline and disposal of surplus material to specified site including dewatering all complete as per specification and as per directed by the Engineer.	m^3	24,154.54			
1.9	Earth filling work with all type of stacked soil in with water sprinkling, compaction for foundation and other trenches all complete as per the specification and as directed by the Engineer.	m^3	20,305.57			
1.10	Earth work in excavation of foundation or pipeline trenches 0-3m for sumpwell 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	5,409.39			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.11	Earth work in excavation of foundation from 3- 6m for sumpwell in depth in all type of soil by using excavator of infiltration gallery structures, 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	4,300.33			
1.12	Earth work in excavation of foundation 6m above for sumpwell in depth in all type of soil by using excavator of infiltration gallery structures, 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	2,313.57			
1.13	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	301.93			
1.14	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	658.02			
1.15	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	2.94			
1.16	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	78.31			
1.17	Concrete work M15 for PCC work as per shape and size as 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	298.54			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.18	Concrete work M20 for 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	332.28			
1.19	Concrete work M25 for 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	463.85			
1.20	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	1,08,773.27			
1.21	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 as per Clause 2.3 and other related clause of the specification and as directed by Engineer	m^2	336.66			
1.22	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	510.22			
1.23	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	m^2	4,419.39			
1.24	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	27.78			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.25	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	152.00			
1.26	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	304.00			
1.27	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	5,305.19			
1.28	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	974.83			
1.29	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	2,081.56			
1.30	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	86.18			
1.31	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	529.06			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.32	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	1,900.96			
1.33	Supply and Installation of 6m height by 4m wide 150mm dia GI pipe gantry for pump installation as per drawing and as directed by the Engineer	no	2.00			
1.34	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	805.99			
1.35	Supply and installation of MS angle (40×40×6 mm size) manhole cover 75×75 cm with 30 cm long 8 no 12Ø embeding bars including fabrication by arc welding all complete as shown in drawing and as per related clause 2.8 of the specification and as directed by the Engineer.	set	4.00			
1.36	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	7.00			
1.37	Supply and installation of GI water stopper 150 mm wide, 20 SWG as directed by the Engineer	m	1,018.46			
1.38	Installation of Pipes and fittings for household Connection as per engineers and Technical Specifications	no	1,654.00			
1.39	Installation of pipes and fittings for RCC reservoirs size greater than 30 m^3 for outlet, inlet washout and overflow as per clause 3 and related clause of the specification and as directed by the Engineer.	set	1.00			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.40	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.	set	3.00			
1.41	Providing and fixing of Water Level indicator complet work and as directed by the Engineer	set	6.00			
1.42	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	263.42			
1.43	Supply and Preparation of 300mm dia casing pipe, (MS steel pipe of thickness 8 mm and length of 4.2m) for casing of subermsible pump in well near relevant reservoir tank by cutting, welding of blind flanges in top and bottom and fitting with provision for pump suspension at the upper flange all complete as per clause 3.3 and related clause of the specification and as directed by the Engineer.	job	3.00			
1.44	Transportation and stockpiling of procured casing pipe of submersible pipe from market to the project site	job	3.00			
1.45	Installation of 8-12" casing pipe in well as per clause 3 and related clause of the specification and as directed by the Engineer.	job	3.00			
1.46	Supply and fixing of 20 mm thick MS plate (60cm x40cm size) with embedment in the concrete with 8 no of 12mm dia anchor rods to support the entire weight of the pump set as per clause 2.8 of the specification and as directed by the Engineer.	set	3.00			
1.47	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	24.00			
1.48	Supply and installation of 40 mmØ GI pipe orifices of 75 mm length as per specification and as directed by the Engineer	no	80.00			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.49	Supply, make 3 mm size - 40 perforations in each and laying the laterals for the SSF underdrain system with joining to the header, size of laterals: 50 mmØ PN-10, PE100 HDPE as per specification and as directed by the Engineer	m	375.70			
1.50	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			
1.51	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	129.42			
1.52	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	28.98			
1.53	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	28.98			
1.54	Supply and filling of sand filter media (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	260.78			
1.55	Supply and prepration and fixing chain link fencing (10 swg-GI Chain Link with 50mmx50mm mesh size) chain links enclosed in agle frame (20mmx20mmx4mm and 25mmx25mmx4mm angles) using 50mm dia black pipe posts at 2m spacing and 15cm high iron grill made of 20mmx3mm iron plate at the top of fencing including fabrication and primer painting all complete per drawing and clause 2.8 of the specification and as directed by the Engineer	m^2	757.63			
1.56	Welding and Anchoring for RCC pipe Support as per the specification and as directed by the Engineer	no	130.00			
1.57	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	31.78			
1.58	Single Layer Flat brick soling as per the Drawings and specification and as per directed by the Engineer	m^2	528.29			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.59	Continous dewatering with heavy pumps the sumpwell for RCC construction, installation of lateral and radial collector pipes and washing the filling boulders and gravel with same water with all necessary equipments until the completion of sumpwell as directed by the engineer	job	1.00			
1.60	Supply & installation of 250 mm dia PE100 PN12.5 pipe collector with 16 number in radial direction 1 layers at height of 0.6 m from the bottom as directed by the engineer	m	320.00			
1.61	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	35.80			
1.62	Supply and installation of chain pully gantry on the top of the slab for lifting and lowering pump set in the well	job	1.00			
1.63	Supply and Construction of walking platform over the piers with railing by the use of GI pipes welding and 12mm dia steel reinforcement from bank above HFL to the top of collector well	job	1.00			
1.64	Supply and Installation of Sanitary Works for Office Buildings with items detailed in the Sanitary schedule of the provided standard drawing	LS	1.00			
1.65	Supply and Installation of Electrical Works for Office Buildings with items detailed in the Electrical schedule of the provided standard drawing	job	1.00			
1.66	Supply and Installation of Sanitary Works for Treatment Plant Operator House with items detailed in the table of the provided standard drawing	job	3.00			
1.67	Supply and Installation of Electrical Works for Treatment Plant Operator House with items detailed in the table of the provided standard drawing	job	3.00			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.68	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.	m^2	36.45			
1.69	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.	m^2	25.20			
1.70	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	412.72			
1.71	Supply and installation of FRP manhole cover (60×60 cm^2) as per drawings and directed by engineer	no	71.00			
1.72	Supply and installation of FRP manhole cover (45×45 cm^2) as per drawings and directed by engineer	no	8.00			
1.73	Supply and installation at site of Completely Galvanized Steel folding tubular pole of 11m with excavation for pole foundation, fixing vertical, stablization and complete installation of pole accessories as per Clause 1 of the Electrical Specification and as per directed by the Engineer	no	59.00			
1.74	Supply and installation at site of Completely Galvanized Steel folding tubular pole of 9m with excavation for pole foundation, fixing vertical, stablization and complete installation of pole accessories as per Clause 1 of the Electrical Specification and as per directed by the Engineer	no	5.00			
1.75	Supply and installation at site of Gay insulator for HT and LT line as per Clause 7 of Electrical Specification and as per directed by the Engineer	no	12.00			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.76	Supply and installation at site of Disc insulator (voltage 11kv) as per Clause 7 of Electrical Specification and as per directed by the Engineer	no	48.00			
1.77	Supply and installation at site of Pin Insulator (voltage 11kv) as per Clause 5 of Electrical Specification and as per directed by the Engineer	set	123.00			
1.78	Supply and installation at site of Cross arm HT (size 1200mm, channel size of 100mm x 50mmx6mm) as per Clause 10 of Electrical Specification and as per directed by the Engineer	Set	41.00			
1.79	Supply and installation at site of Cross arm HT (size 300mm,channel size of 100mm x 50mm x 6mm) as per Clause 10 of Electrical Specification and as per directed by the Engineer	Set	41.00			
1.80	Supply and installation at site of Cross Angle (size 2390 mm, channel size 100mm x 50mm x 6mm) as per Clause 10 of Electrical Specification and as per directed by the Engineer	no	7.00			
1.81	Supply and installation at site of M.S.chanel (size100X50X6)2500 mm long as per Clause 10 of Electrical Specification and as per directed by the Engineer	no	22.00			
1.82	Supply and installation at site of Pole clamp as per Clause 13 of Electrical Specification and as per directed by the Engineer	Set	194.00			
1.83	Supply and installation at site of Stay set as per Clause 8 of Electrical Specification and as per directed by the Engineer	Set	12.00			
1.84	Supply and installation at site of Stay Wire as per Clause 8 of Electrical Specification and as per directed by the Engineer	Kg	70.00			
1.85	Supply and installation at site of Nut&Bolts (size) as per Clause 9 of Electrical Specification and as per directed by the Engineer	Kg	31.50			
1.86	Supply and installation at site of Dead end Clamp as per Clause 13 of Electrical Specification and as per directed by the Engineer	no	48.00			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.87	Supply and installation at site of Flat Braching 720 mm (size of section 40 mm x 6mm) as per Clause 11 of Electrical Specification and as per directed by the Engineer	no	96.00			
1.88	Supply and installation at site of 55 sq mm covered XLPE-AAAC cable with stringing the cable, complete installation in HT line with recommended sag, installation of all cable accessories as per Clause 14 of Electrical Specification and as per directed by the Engineer	Km	7.80			
1.89	Supply and installation at site of 55 sq mm covered XLPE-AAAC cable with stringing the cable, complete installation For LT Line with recommended sag, installation of all cable accessories as per Clause 14 of Electrical Specification and as per directed by the Engineer	Km	1.00			
1.90	Supply and installation at site of 120 sq. mm cable socket as per Clause 15 of Electrical Specification and as per directed by the Engineer	no	46.00			
1.91	Supply and installation at site of Shakle insulator 500 volt with D-iron with not bolt as per Clause 5 of Electrical Specification and as per directed by the Engineer	Set	20.00			
1.92	Procurement,Supply and installation at site of Transformer,11/0.4KV,100 KVA as per Clause 2 of Electrical Specification and as per directed by the Engineer	Set	2.00			
1.93	Supply and installation of Lightening arrestor (Voltage 11 KV) as per Clause 3 of Electrical Specification and as per directed by the Engineer	no	6.00			
1.94	Supply and installation of Drop out fuse set (Voltage 11KV) as per Clause 3 of Electrical Specification and as per directed by the Engineer	no	6.00			
1.95	Supply and installation of ABC Conductor 95 Sq mm of aluminium wires as per Clause 15 of Specification and as per directed by the Engineer	m	60.00			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.96	Supply and installation at site of M.S.chanel (size75X40X6)500 mm long as per Clause 10 of Specification and as per directed by the Engineer	no	8.00			
1.97	Supply and installation at site of Earthing set as per Clause 3 of Electrical Specification and as per directed by the Engineer	Set	6.00			
1.98	Supply and installation at site of MCCB 100 A as per Clause 4 of Electrical Specification and as per directed by the Engineer	no	4.00			
1.99	Supply and Installation of Transporation, Installation of submersible pump with necessary welding, fittings and panel board, wiring of pump house, etc. all complete all complete as per the electrical specification and as directed by the Engineer	set	6.00			
1.100	Supply and Installation of Pump of 2x23.18 m3/hr at dynamic head of 255 m approx and hydraulic efficiency higher than 73 % all complete as per the electrical specification and as directed by the Engineer	set	3.00			
1.101	Supply and Installation of Pump of 2x23.18 m3/hr at dynamic head of 212 m approx and hydraulic efficiency higher than 61 % all complete as per the electrical specification and as directed by the Engineer	set	3.00			
1.102	Supply and installation of 1300MM x 1100MM x 300MM Size Main Distribution Panel Board for 100 HP Pump Fabricated out of 16swg m/s sheet metal, Separate compartment for Incoming & Outgoing Feeder, Lockable Double Door Front Openable, Floor Mounted Type. With TPNE Copper Bus bar and Internal wiring, Angle Stand with 300A FP Change Over switch Incoming, 400A TPNE Copper Bus bar, 3 set of Volt/ Amp Meter Digital Type, RYB Indication Lamp, Control Fuse and Wiring Materials,1 set of Enclosure with wiring and cable shoe as directed by the engineer	set	2.00			
1.103	Supply and Installation of Outdoor Terminal Box 35HP all complete as per the electrical specification and as directed by the Engineer	set	6.00			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.104	Supply and Installation of Star Delta Control Panel 30-35 HP all complete as per the electrical specification and as directed by the Engineer	set	6.00			
1.105	Supply and Installation of 10 mm squared Copper armoured Cable all complete as per the electrical specification and as directed by the Engineer	m	400.00			
1.106	Procurement,Supply, laying, and jointing of 20 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	33,080.00			
1.107	Procurement,Supply, laying, and jointing of 25 mmØ PN-12.5, 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	4,565.00			
1.108	Procurement,Supply, laying, 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	1,149.50			
1.109	Procurement,Supply, laying, and jointing of 32 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	2,662.00			
1.110	Procurement,Supply, laying, and jointing of 32 mmØ PN-12.5, 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	902.00			
1.111	Procurement,Supply, laying, 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	781.00			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.112	Procurement,Supply, laying, 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	1,952.50			
1.113	Procurement,Supply, laying, and jointing of 40 mmØ PN-12.5, 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	511.50			
1.114	Procurement,Supply, laying, 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	423.50			
1.115	Procurement,Supply, laying, 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	2,315.50			
1.116	Procurement,Supply, laying, and jointing of 50 mmØ PN-12.5, 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	704.00			
1.117	Procurement,Supply, laying, 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	330.00			
1.118	Procurement,Supply, laying, 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	1,787.50			
1.119	Procurement,Supply, laying, and jointing of 63 mmØ PN-12.5, 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	396.00			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.120	Procurement,Supply, laying, 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	396.00			
1.121	Procurement,Supply, laying, 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	90.00			
1.122	Procurement,Supply, laying, 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	3,245.00			
1.123	Procurement,Supply, laying, and jointing of 75 mmØ PN-12.5, 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	286.00			
1.124	Procurement,Supply, laying, 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	220.00			
1.125	Procurement,Supply, laying, 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	35.00			
1.126	Procurement,Supply, laying, 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	3,008.50			
1.127	Procurement,Supply, laying, and jointing of 90 mmØ PN-12.5, 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	385.00			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.128	Procurement,Supply, laying, 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	803.00			
1.129	Procurement,Supply, laying, 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	99.80			
1.130	Procurement,Supply, laying, 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	192.50			
1.131	Procurement,Supply, laying, and jointing of 110 mmØ PN-12.5, 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	99.00			
1.132	Procurement,Supply, laying, 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	165.00			
1.133	Procurement,Supply, laying, 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	150.00			
1.134	Procurement,Supply, laying, 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	2,282.50			
1.135	Procurement,Supply, laying, 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	85.40			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.136	Procurement,Supply, laying, 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	34.00			
1.137	Procurement,Supply, laying, and jointing of 15 mmØ GI pipe (medium duty) confirming to NS-199 or equivalent both ends plain for arc welding as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	114.00			
1.138	Procurement,Supply, laying, and jointing of 20 mmØ GI pipe (medium duty) confirming to NS-199 or equivalent both ends plain for arc welding as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	6.00			
1.139	Procurement,Supply, laying, and jointing of 25 mmØ GI pipe (medium duty) confirming to NS-199 or equivalent both ends plain for arc welding as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	42.00			
1.140	Procurement,Supply, laying, and jointing of 32 mmØ GI pipe (medium duty) confirming to NS-199 or equivalent both ends plain for arc welding as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	112.00			
1.141	Procurement,Supply, laying, and jointing of 40 mmØ GI pipe (medium duty) confirming to NS-199 or equivalent both ends plain for arc welding as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	72.00			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.142	Procurement,Supply, laying, and jointing of 50 mmØ GI pipe (medium duty) confirming to NS-199 or equivalent both ends plain for arc welding as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	48.00			
1.143	Procurement,Supply, laying, and jointing of 65 mmØ GI pipe (medium duty) confirming to NS-199 or equivalent both ends plain for arc welding as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	42.00			
1.144	Procurement,Supply, laying, and jointing of 80 mmØ GI pipe (medium duty) confirming to NS-199 or equivalent both ends plain for arc welding as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	48.00			
1.145	Procurement,Supply, laying, and jointing of 100 mmØ GI pipe (medium duty) confirming to NS-199 or equivalent both ends plain for arc welding as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	133.50			
1.146	Procurement,Supply, laying, and jointing of 125 mmØ GI pipe (medium duty) confirming to NS-199 or equivalent both ends plain for arc welding as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	12.00			
1.147	Procurement,Supply, laying, and jointing of 15 mmØ GI pipe (heavy duty) confirming to NS-199 or equivalent both ends plain for arc welding as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	3,308.00			
1.148	Procurement,Supply, laying, and jointing of 20 mmØ GI pipe (heavy duty) confirming to NS-199 or equivalent both ends plain for arc welding as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	154.00			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.149	Procurement,Supply, laying, and jointing of 80 mmØ GI pipe (heavy duty) confirming to NS-199 or equivalent both ends plain for arc welding as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	1,980.00			
1.150	Procurement,Supply, laying, and jointing of 125 mmØ GI pipe (heavy duty) confirming to NS-199 or equivalent both ends plain for arc welding as per Clause 5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer:	m	1,375.00			
1.151	Procurement, Supply, Laying and Jointing of 125 mm dia high tensile steel pipe (ASTM Schedule 40) Confirming to A106 Grade B or equivalent) both ends plain for arc welding and FBE coated in inside as per Clause 4.5.5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer: as per Clause 4.5 and other related clause of the Specification, manufacturer's instruction and as directed by the Engineer	m	979.00			
1.152	Procurement,Supply, laying, 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	8.00			
1.153	Procurement,Supply, laying, 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			
1.154	Procurement,Supply, laying, 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			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.155	Procurement,Supply, laying, 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			
1.156	Procurement,Supply, laying, and jointing of GI Pipe piece (100 mmØ) 0.75 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	3.00			
1.157	Procurement,Supply, laying, 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	1.00			
1.158	Procurement,Supply, laying, and jointing of GI Pipe piece (100 mmØ) 1.60 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	1.00			
1.159	Procurement,Supply, laying, and jointing of GI Pipe piece (125 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	2.00			
1.160	Procurement,Supply, laying, and jointing of GI Pipe piece (125 mmØ) 0.60 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			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.161	Procurement,Supply, laying, and jointing of GI Pipe piece (125 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			
1.162	Procurement,Supply, 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	1,654.00			
1.163	Procurement,Supply, and installation of 1/2"-mains (various) dia HDPE Saddle 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	1,654.00			
1.164	Procurement,Supply, 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	8.00			
1.165	Procurement,Supply, 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	31.00			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.166	Procurement,Supply, 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	24.00			
1.167	Procurement,Supply, 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	30.00			
1.168	Procurement,Supply, and installation of Bulk water meter (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	4.00			
1.169	Procurement,Supply, and installation of Bulk water meter (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)	set	10.00			
1.170	Procurement,Supply, 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	4.00			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.171	Procurement,Supply, 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	7.00			
1.172	Procurement,Supply, and installation of CI 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	1.00			
1.173	Procurement,Supply, 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	62.00			
1.174	Procurement,Supply, 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	43.00			
1.175	Procurement,Supply, 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	1.00			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.176	Procurement,Supply, 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	39.00			
1.177	Procurement,Supply, 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	41.00			
1.178	Procurement,Supply, and installation of GI Elbow (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	8.00			
1.179	Procurement,Supply, 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	9,954.00			
1.180	Procurement,Supply, 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	15.00			
1.181	Procurement,Supply, 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	39.00			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.182	Procurement,Supply, 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	14.00			
1.183	Procurement,Supply, 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	36.00			
1.184	Procurement,Supply, 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	25.00			
1.185	Procurement,Supply, 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	5.00			
1.186	Procurement,Supply, and installation of GI Equal tee (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			
1.187	Procurement,Supply, 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	2.00			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.188	Procurement,Supply, 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			
1.189	Procurement,Supply, 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	3.00			
1.190	Procurement,Supply, 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	2.00			
1.191	Procurement,Supply, 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	3.00			
1.192	Procurement,Supply, 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	3.00			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.193	Procurement,Supply, 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	155.00			
1.194	Procurement,Supply, 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	8.00			
1.195	Procurement,Supply, 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	8,270.00			
1.196	Procurement,Supply, 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	64.00			
1.197	Procurement,Supply, 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	51.00			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.198	Procurement,Supply, 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	69.00			
1.199	Procurement,Supply, 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	74.00			
1.200	Procurement,Supply, 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	62.00			
1.201	Procurement,Supply, 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	31.00			
1.202	Procurement,Supply, 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	47.00			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.203	Procurement,Supply, 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	4.00			
1.204	Procurement,Supply, 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	10.00			
1.205	Procurement,Supply, 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	3.00			
1.206	Procurement,Supply, and installation of GI Reducer Socket (125x100 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			
1.207	Procurement,Supply, 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	7.00			
1.208	Procurement,Supply, 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	5.00			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.209	Procurement,Supply, and installation of GI Reducer Socket (50x32 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			
1.210	Procurement,Supply, 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	10.00			
1.211	Procurement,Supply, 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	3.00			
1.212	Procurement,Supply, 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	1.00			
1.213	Procurement,Supply, and installation of GI Reducer Socket (80x65 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			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.214	Procurement,Supply, and installation of GI Socket 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	1,654.00			
1.215	Procurement,Supply, 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	4.00			
1.216	Procurement,Supply, 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	10.00			
1.217	Procurement,Supply, 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	1.00			
1.218	Procurement,Supply, and installation of GI Strainer (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			
1.219	Procurement,Supply, 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	3.00			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.220	Procurement,Supply, 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	1.00			
1.221	Procurement,Supply, 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	9.00			
1.222	Procurement,Supply, 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	2.00			
1.223	Procurement,Supply, and installation of GI Strainer (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	4.00			
1.224	Procurement,Supply, 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	5.00			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.225	Procurement,Supply, and installation of GI Unequal Tee (100x25 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			
1.226	Procurement,Supply, 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			
1.227	Procurement,Supply, 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			
1.228	Procurement,Supply, 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	20.00			
1.229	Procurement,Supply, 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	6.00			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.230	Procurement,Supply, 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	2.00			
1.231	Procurement,Supply, and installation of GI Unequal Tee (32x20 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			
1.232	Procurement,Supply, and installation of GI Unequal Tee (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	2.00			
1.233	Procurement,Supply, 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	9.00			
1.234	Procurement,Supply, and installation of GI Unequal Tee (40x25 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			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.235	Procurement,Supply, 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	2.00			
1.236	Procurement,Supply, and installation of GI Unequal Tee (50x20 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			
1.237	Procurement,Supply, and installation of GI Unequal Tee (50x25 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			
1.238	Procurement,Supply, 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	4.00			
1.239	Procurement,Supply, 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	2.00			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.240	Procurement,Supply, 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	2.00			
1.241	Procurement,Supply, and installation of GI Union (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	12.00			
1.242	Procurement,Supply, 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	3,322.00			
1.243	Procurement,Supply, 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	16.00			
1.244	Procurement,Supply, 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	34.00			
1.245	Procurement,Supply, 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	46.00			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.246	Procurement,Supply, 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	40.00			
1.247	Procurement,Supply, 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	39.00			
1.248	Procurement,Supply, 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	13.00			
1.249	Procurement,Supply, 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	27.00			
1.250	Procurement,Supply, 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	74.00			
1.251	Procurement,Supply, 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	17.00			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.252	Procurement,Supply, 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	1.00			
1.253	Procurement,Supply, 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	21.00			
1.254	Procurement,Supply, 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	12.00			
1.255	Procurement,Supply, 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	17.00			
1.256	Procurement,Supply, 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	1,654.00			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.257	Procurement,Supply, 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	37.00			
1.258	Procurement,Supply, and installation of GM Gate 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	4.00			
1.259	Procurement,Supply, 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	1,654.00			
1.260	Procurement,Supply, 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	10.00			
1.261	Procurement,Supply, 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	2.00			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.262	Procurement,Supply, 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	21.00			
1.263	Procurement,Supply, 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	5.00			
1.264	Procurement,Supply, 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	15.00			
1.265	Procurement,Supply, 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	7.00			
1.266	Procurement,Supply, 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			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.267	Procurement,Supply, 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	8.00			
1.268	Procurement,Supply, 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	11.00			
1.269	Procurement,Supply, 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	13.00			
1.270	Procurement,Supply, 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	2.00			
1.271	Procurement,Supply, 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	7.00			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.272	Procurement,Supply, 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			
1.273	Procurement,Supply, 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	5.00			
1.274	Procurement,Supply, and installation of Seamless carbon steel bend (135 degree) schedule 40 bend both end flanged and size of 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)	set	6.00			
1.275	Procurement,Supply, and installation of Cast Steel Non Return Valve (NRV), Class 300 confirming to BS:1414 or equivalent. Hydraulic Test pressure: Body 76 kg/cm2, Seat 55 kg/cm2, including ISOD Flange, Nut & bolt, Gasket. and size of 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	6.00			
1.276	Procurement,Supply, and installation of Cast Steel Sluice Valve, Class 300 confirming to BS:1414 or equivalent. Hydraulic Test pressure: Body 76 kg/cm2, Seat 55 kg/cm2, including ISOD Flange, Nut & bolt, Gasket. Set and size of 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	6.00			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.277	Procurement,Supply, and installation of DI double flanged 90 degree bend and size of 150 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			
1.278	Procurement,Supply, and installation of DI double flanged tail piece (40 cm long) and size of 150 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			
1.279	Procurement,Supply, and installation of DI double flanged tail piece (500 cm long) and size of 150 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			
1.280	Procurement,Supply, and installation of DI Mechanical Couplings Complete with sets of Nuts and bolts , fasteners, Sealing Rings and required accessories etc as per specification all complete. and size of 150 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)	set	3.00			
1.281	Procurement,Supply, and installation of DI Single Flanged Tail Piece (400 cm long) and size of 150 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			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.282	Procurement,Supply, and installation of MS Blind Flange, ISOD 22mm thick and size of 150 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			
1.283	Procurement,Supply, and installation of MS Steel ERW pipe and size of 300 mm dia with 5m long 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			
1.284	Procurement,Supply, and installation of Pressure Gauge -3" size and 40 kg/cm^2 pressure range and size of 80 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	6.00			
1.285	Procurement,Supply, and installation of Seamless carbon steel pipe piece-100 cm long, one end flanged and another end plain and size of 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	12.00			
1.286	Procurement,Supply, and installation of Seamless carbon steel pipe piece-30 cm long, both end flanged and size of 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	24.00			

Civil Works						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.287	Procurement,Supply, and installation of Seamless carbon steel pipe piece-60 cm long, one end flanged and another end plain and size of 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	6.00			
1.288	Procurement,Supply, and installation of Seamless carbon steel Reducer, both ends flanged and size of 125x80 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	6.00			
1.289	Procurement,Supply, and installation of Seamless carbon steel schedule 40 pipe confirming to (ASTM-53) and size of 125 mm dia with 5m length each 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			
1.290	Procurement,Supply, and installation of Seamless carbon steel schedule 40 Steel Equal tee, both end flanged and size of 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	6.00			

Total Item Price	
VAT (13.00%)	
Grand Total	