Bill of Quantities (BOQ)

Construction of Sukhad Darakh Co-finance Water Supply Project, Kailali

IFB No.: WSSMO/Kanchanpur/NCB/Works/10/083-84

Provisional Sum					
SL. No.	**Item Description**	**Unit**	**Quantity**	**Unit Rate (NPR)**	**Amount (NPR)**
PS.1	Insurances for the loss of damage to works, plant, material, equipment, property and personal injury or death and as stipulated in contract Data	P.S.	1.00	10,00,000.00 Ten lakh rupees only.	10,00,000.00 Ten lakh rupees only.
PS.2	System automation, smart billing, quality test, items not covered by BOQ, etc. Utility Diversion (Provisional)i.e. Utility relocation, reinstallation etc. and Pump Automation of Project	P.S.	1.00	20,00,000.00 Twenty lakh rupees only.	20,00,000.00 Twenty lakh rupees only.
PS.3	Environment Mitigation Works/ greenery/plantation as per site requirement and instruction of engineer.	PS	1.00	15,00,000.00 Fifteen lakh rupees only.	15,00,000.00 Fifteen lakh rupees only.
	Total provisional sums				45,00,000.00 Forty-five lakh rupees only.

Construction work **CPV: 45000000-7 - Construction work**						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.1	Project Information Board(1.2m *1.8m) as per instruction of Engineer (Two Numbers)	LS	1.00			
1.2	Preparation of As-Built Drawing & (O&M) operation and maintenance Manual	Job	1.00			
1.3	Joint Survey Required before Construction all complete work as per instruction of Engineer.	Job	1.00			

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1.4	Provide and maintain cube testing facilities including molds 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 molds to remain in the contractor's property), Paid as number of cubes for all complete work as per instruction of Engineer. (Spec. 1.4)	Nos.	250.00			
1.5	Provide photographs (in Pendrive) and color prints PHOTO in A4 size photo paper for inclusion in periodic progress report to the satisfaction of the engineer specification.	Months	30.00			
1.6	Testing and Commencing of entire system as specified in the Conditions of Contract for at least 7 days.	L.S.	1.00			
1.7	Provide safety equipment (safety gears, boot, helmet, jacket, belts, safety net, gloves, etc and as per required) for the Construction workers at Site and Engineer at the site office of the types and number specified in the Specification.	Months	30.00			
1.8	Provide Site office for Engineer at least 2 rooms with attached bathroom, at least two beds, one set of table and chair in each rooms fully furnished as per instruction of Engineer (including Water Supply, Electricity and internet)	Months	30.00			
1.9	Lab test reports of construction materials such as Cement, Aggregates, TMT bars, Bricks, Pipe, etc as per required and instruction of Engineer.	LS	1.00			
1.10	Ground Water Potentiality assessment by Electrical Resistivity Survey as per direction of Engineer and prevailing norms (Four number of wells). Further Proceeding of Well construction shall start as per recommendation of the Report.	LS	1.00			
1.11	Surface dressing works including filling dispressions, cutting humps and ground levelling (service roads etc)	sqm	524.46			

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SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.12	Earthwork excavation and back filling of all types of soil by Combination both men and Machine for pipeline/Structural work from ground level to underside of the pipeline/Structural and disposal of surplus materials to the specified site all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	cu.m.	77,132.84			
1.13	Back filling of structures in 20 cm layer with all types of excavated soil (soft, medium, hard, GBM soil, medium rock, hard rock) including compaction with water sprinkling by mechanical means all complete as per drawing and specification	cu.m.	359.32			
1.14	Filling with sand brought from outside in 150mm layers under floors foundation etc. including watering, ramming, dressing, etc. as per drawing and specification all complete.	cu.m.	7.99			
1.15	Providing and laying dry stone soling with sand in foundation in true line and level including watering and ramming all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	cu.m.	62.39			
1.16	Supplying, mixing, placing, compacting & the different mixes of Concrete work M10 for PCC work in Foundation of Structure as per shape and size as shown in drawings including supply of all materials and curing aall complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	cu.m.	48.53			
1.17	Supplying, mixing, placing, compacting & the different mixes of Concrete work M15 for PCC work in Foundation of Structure as per shape and size as shown in drawings including supply of all materials and curing aall complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	cu.m.	35.51			

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1.18	Supplying, mixing, placing, compacting & the different mixes of Concrete work M20 for RCC work in super structure and sub structure/foundation as per shape and size as shown in drawings including supply of all materials, waterproofing and curing all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	cu.m.	491.41			
1.19	Supplying, mixing, placing, compacting & the different mixes of Concrete work M25 for RCC work in super structure and sub structure/foundation as per shape and size as shown in drawings including supply of all materials , waterproofing and curing all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	cu.m.	66.09			
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,all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Kg	79,542.24			
1.21	Providing, placing, fixing centering and shuttering for plywood or steel formwork for slabs, walls, columns and beams with necessary provision of extenstion of reinforcement for well ties) along with scaffolding and other RCC works including nails, propping supports and bracings of steel pipes including lead & lift upto 3m height & removal and disposal of the same all, assume considering 6 times use of formwork) all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	sq.m.	1,226.72			

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1.22	Providing, placing, fixing, centering and shuttering for plywood or steel formwork for slabs, walls, columns and beams with necessary provision of extenstion of reinforcement for well ties) along with scaffolding and other RCC works including nails, propping supports and bracings of steel pipes including lead & lift at any height & removal and disposal of the same all complete as per specification & approval of engineer.(Above 3 to 6 mtr.)	sq.m.	102.12			
1.23	Providing, placing, fixing centering and shuttering for plywood or steel formwork for slabs, walls, columns and beams (with necessary provision of extenstion of reinforcement for well ties) along with scaffolding and other RCC works including nails, propping supports and bracings of steel pipes including lead & lift at any height & removal and disposal of the same all complete as per specification & approval of engineer. (Above 6 to 9 mtr.)	sq.m.	138.39			
1.24	Providing, placing, fixing centering and shuttering for plywood or steel formwork for slabs, walls, columns and beams (with necessary provision of extenstion of reinforcement for well ties) along with scaffolding and other RCC works including nails, propping supports and bracings of steel pipes including lead & lift at any height & removal and disposal of the same all complete as per specification & approval of engineer. (Above 9 to 12 mtr.)	sq.m.	138.39			
1.25	Providing, placing, fixing centering and shuttering for plywood or steel formwork for slabs, walls, columns and beams with necessary provision of extenstion of reinforcement for well ties) and other RCC works including nails, propping supports and bracings of steel pipes including lead & lift at any height & removal and disposal of the same all complete as per specification & approval of engineer. (Above 12 to 16 mtr.)	sq.m.	138.39			

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SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.26	Providing, placing, fixing centering and shuttering for plywood or steel formwork for slabs, walls, columns and beams with necessary provision of extenstion of reinforcement for well ties) along with scaffolding and other RCC works including nails, propping supports and bracings of steel pipes including lead & lift at any height & removal and disposal of the same all complete as per specification & approval of engineer. (Assume considering 6 times use of formwork).(Above 16 to 20 mtr.)	sq.m.	98.05			
1.27	Providing, placing, fixing centering and shuttering for plywood or steel formwork for slabs, walls, columns and beams with necessary provision of extenstion of reinforcement for well ties) along with scaffolding and other RCC works including nails, propping supports and bracings of steel pipes including lead & lift at any height & removal and disposal of the same all complete as per specification & approval of engineer (Assume considering 6 times use of formwork). (Above 20 to 24 mtr.)	sq.m.	9.22			
1.28	Providing, placing, fixing centering and shuttering for plywood or steel formwork for slabs, walls, columns and beams with necessary provision of extenstion of reinforcement for well ties) along with scaffolding and other RCC works including nails, propping supports and bracings of steel pipes including lead & lift at any height & removal and disposal of the same all complete as per specification & approval of engineer (Assume considering 6 times use of formwork). (Above 24 to 28 mtr.)	sq.m.	744.22			
1.29	First class Chimney made Brick masonry (1:6 cement sand mortar) works including supplying, laying of along with scaffolding and other RCC works and making mortar as per drawing and specifications, haulage upto 30m.	cum	61.87			
1.30	First class Chimney made Brick masonry (1:4 cement sand mortar) works including supplying , laying of along with scaffolding and other RCC works and making mortar as per drawing and specifications, haulage upto 30m.	cum	25.62			

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SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.31	Providing and laying 1st Class Flat Brick Soling in foundation in true line and level including watering and ramming all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	sqm	453.95			
1.32	Providing & fixing in position well seasoned & dressed Sal Timber for Doors, Windows & Ventilators chowkhat frame fixed with 6 nos. 300 x 20 x 6mm long MS Holdfast fixed with screw excluding the cost of 1:2:4 (300 x 100 x 100mm) concrete block all complete as per drawing, specification and instruction of Engineer.	cum	0.49			
1.33	Providing & fixing 38mm thick Solid Core Door shutters (both side teak ply (PF/BST) waterproffing 38 x 12mm thick sal timber leaping arrangement) fixed in position with 4 nos. 100mm long brass Hinges to each shutters including the cost of 300mm & 150mm brass long tower bolts with Mortice Lock all complete as per drawing, specification & instruction.	sqm	8.09			
1.34	Providing & Fixing in position well Seasoned Dressed Sal Timber fully glazed Windows shutters with 75 x 38 mm section frame including the cost of 4 mm thick glass, wooden beads, nails, glass putty, heavy quality 2 Nos.75 mm long MS Butt Hinges, 2 Nos.150 mm long tower bolts, 2 Nos. 100 mm handle (heavy quality aluminium) 150 mm hooks & eyes with screw etc. to each shutter all complete as per drawing, specification & instruction.	sqm	10.30			
1.35	Supplying and Fabricating mild steel flat grill, truss, MS angle Section fixed in position with one coat of red oxide paint to metal surface all complete as per drawing and specification and instruction of Engineer.	kg	1,722.88			
1.36	Providing and casting 1:2:4 concrete for 38mm thick floor in perfect line and level including Flooring , curing etc. all complete as per drawing, specification & instruction.	sqm	46.47			

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SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.37	Providing and laying 12.5 mm thick cement plaster on concrete surface with 1:4 cement sand mortar in perfect line and level including scaffolding, curing etc. all complete as per drawing, specification & instruction.	sqm	2,633.63			
1.38	Providing, mixing, laying cement sand punning with 1:1 cement sand mortar on floors in true line & level including curing as per drawing, specification and instructions.	sqm	846.67			
1.39	Supply, delivery & Laying of two or more coats of Weathercoat of approved brand and colour on exterior fair face wall ,all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.)	sq.m.	1,021.32			
1.40	Providing and applying two or more coat of Enamel Paint/Plastic Emulsion Paint on wall and ceiling surface one coat of cement primer to give an even and uniform shade as per specification and instruction of the engineer.	sq.m.	379.75			
1.41	Applying two coat of water proof cement paint on wall and ceiling surface to give an even and uniform shade as per specification and instruction of the engineer.	sq.m.	1,199.58			
1.42	Supply , placing, fixing of 600*600 mm dia CI cover with locking set MS all complete as per drawing ,all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer	set	72.00			
1.43	Supply & Fixation of 32mm Dia. Medium Class GI pipe for the Hand Rail Purpose incl. jointing by GI fittings, welding & embedding in RCC post as per specification and instruction of the engineer.	rm	468.24			
1.44	Supply delivery and installation of 150mm wide G I. water stop supplying and fixing as per specification and instruction of the engineer.	rm	38.48			

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SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.45	Supply and installation of water level indicator as per specification and instruction of the engineer.	set	1.00			
1.46	Procurement & Transportation & Fixing of 100 mm GI Pipe(MC),114.3 mm OD @ Weight pre meter 9.75 as per specification and instruction of the engineer.	rm	36.00			
1.47	Supply and installation of 160mm dia road surface box with cover as per specification and instruction of the engineer.	nos.	7.00			
1.48	Supply and installation of Fire Hydrant Set (80 mm dia) set (80mm dia GI Pipe -3 no.,80mm dia GI equal Tee -1 no., 80mm dia Flange set-1 no.,80mm dia GI union-1 no., 80 mm dia GI nipple-2 no.,80 mm dia Gate valve-1 no.,80 mm dia GI Elbow-1 no., 80 mm dia DI flange-1 no., DN 80 Post Fire Hydrant-1 no., 80 mm dia GI Flange Set with Nut Bolt & Washer as per specification and instruction of the engineer.	set	7.00			
1.49	Provding & fixing barbed wire fencing (5 row horizontally &2 row diagonally) fixed in 40mm*40mm *5mm and Height 0.9m long Square metal post @ 3 mtr. C/C as per drawing & specification.	rm	210.00			
1.50	Providing and laying of C.G.I sheet (plain/colored) or corrugated fiber glass sheet of 26 gauge roofing works all complete as per drawing and specifications.	sqm	42.50			
1.51	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including scaffolding wherever necessary, sorting the dismantled Material, disposal of unserviceable Material and stacking the serviceable Material with all lifts and lead of 1000 meters - Cement Concrete Grade M-15 & M-20 - By Mechanical means all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	cum	120.00			

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SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.52	Dismantling of flexible pavements and disposal of dismantled Material up to a lead of 1000 metres, stacking serviceable and unserviceable material separately. (Bituminous course) all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Cum	270.00			
1.53	Providing, laying and spreading Material on a prepared sub grade, adding the designed quantity of cement to the spread Material, mixing in place , grading and compacting at OMC to achieve the desired unconfined compressive strength and to form a layer of sub-base/base all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Cu.m.	135.00			
1.54	Providing and laying Crusher Run Macadam on a prepared surface, spreading and mixing , watering and compacting to form a layer of sub-base/Base course all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Cu.m.	135.00			
1.55	Providing and applying tack coat with hot Bitumen at specified rate on the prepared non bituminous surfaces including cleaning all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	litr.	1,500.00			
1.56	Providing and applying prime coat with hot bitumen (including appropriate cutter) on prepared surface of granular base including cleaning of road surface and spraying by mechanical means all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	litr.	1,500.00			
1.57	Providing and laying open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates as wearing course on a previously prepared base aall complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Cu.m.	18.00			

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SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.58	Providing and Laying Reinforced cement concrete 300 mm internal dia. NP3 Collar jointed pipe for culverts including fixing collar with cement mortar 1:2 as per Drawing and Technical Specifications.	rm	300.00			
1.59	Supply,delivery and installation of 1/2" dia Compression Brass Union including all complete work and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	nos.	2,100.00			
1.60	Supply,delivery and installation of 1/2" dia GI Elbow including all complete work and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	nos.	2,800.00			
1.61	Supply,delivery and installation of 1/2" dia Ball Valve including all complete work and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	nos.	700.00			
1.62	Supply,delivery and installation of 1/2" x 3" long GI Nipple including all complete work and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	nos.	2,100.00			
1.63	Supply,delivery and installation of 1/2" x 9" long GI Nipple including all complete work and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	nos.	1,400.00			
1.64	Supply,delivery and installation of 1/2" dia Rotary Piston Water Meter, brass boady,dray dial, flow rate max. 1500lit/hr with one-way valveper including all complete work and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	nos.	700.00			

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1.65	Supply,delivery and installation of 1/2" dia bras ferrule including all complete work and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	nos.	700.00			
1.66	Supply,delivery and installation of 15 mm Brass Bib Cock Heavy Duty (400 gm) including all complete work and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	nos.	700.00			
1.67	Supply delivery and installation of 1/2"/2 (all dia) HDPE saddle set including transporation and portaring all complete work as per clause 5 and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	nos.	700.00			
1.68	Supply, delivery , laying and Jointing of 20mm ØPN16 , PE-100 HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer (NS-40).	m	10,500.00			
1.69	Supply, delivery , laying and Jointing of 50mm ØPN10, PE-100 HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer (NS-40).	m	1,24,724.18			
1.70	Supply, delivery , laying and Jointing of 63mm ØPN10, PE-100 HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer (NS-40).	m	23,440.94			
1.71	Supply, delivery , laying and Jointing of 75mm ØPN10, PE-100 HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer (NS-40).	m	15,339.53			

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1.72	Supply, delivery , laying and Jointing of 90mm ØPN6, PE-100 HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer (NS-40).	m	2,605.68			
1.73	Supply, delivery , laying and Jointing of 110mm ØPN6, PE-100 HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer (NS-40).	m	1,986.45			
1.74	Supply, delivery , laying and Jointing of 125mm ØPN6, PE-100 HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer (NS-40).	m	409.55			
1.75	Supply, delivery , laying and Jointing of 140mm ØPN6, PE-100 HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer (NS-40).	m	461.04			
1.76	Supply, delivery , laying and Jointing of 160mm ØPN6, PE-100 HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer (NS-40).	m	1,760.05			
1.77	Supply, delivery , laying and Jointing of 180mm ØPN6, PE-100 HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer (NS-40).	m	6.68			
1.78	Supply, delivery , laying and Jointing of 180mm ØPN10, PE-100 HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer (NS-40).	m	5,814.00			

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1.79	Supply, delivery , laying and Jointing of 200mm ØPN6, PE-100 HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer (NS-40).	m	202.96			
1.80	Supply, delivery , laying and Jointing of 250mm ØPN6, PE-100 HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer (NS-40).	m	1,140.39			
1.81	Supply, delivery , laying and Jointing of 280mm ØPN6, PE-100 HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer (NS-40).	m	273.75			
1.82	Supply, delivery , laying and Jointing of 315mm ØPN6, PE-10 HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer (NS-40).	m	35.80			
1.83	Supply, delivery, Installation of fabricated mild steel vessel for Vertical Aerator with diameter 1500mm and height 3000mm both end fitted with machine made dish ends, fabricated from MS, shell plate thickness 8mm, machine made dish end plate thickness of 10mm all complete works as per drawings, specifications and instrution of engineer.	Set	2.00			
1.84	Supply, delivery, Installation of Air Compressor having ccapacity 50-60 m3/hr, 12 kg/cm2 working pressure 300 volt 3 phase 7.5HP, 50Hz single stage with automatic pressure relief switch, fittings and fixer , with 200 litre capacity air tar-tk, complete set as per drawings, specifications and instrution of engineer.	Set	2.00			
1.85	Supply, delivery, Installation of Stainless steel metallic pall rings packing 16 X 16 X 0.3 mm in Aeration tower with capacity 50-60 m3/hr perating pressure 12 Kg/cm2 along with catalytic media all completes as per drawings, specifications and instrution of engineer.	Cu.m.	5.30			

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SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.86	Supply, delivery, Installation of Vertical Pressure Filter with diameter 2600mm and height 3000mm both end fitted with machine made dish ends, fabricated from MS, shell plate thickness 8mm machine made dish end plate of thickness of 10mm all, capacity 50-60 m3/hr perating pressure 12 Kg/cm2 complete works all as per drawing, specification and instruction of engineer.	Set	2.00			
1.87	Supply,delivery and installation of Filter Media for Pressure Filter Vessel as 40mm-Gravel for support Manifold pipe including transportation from amlekhjung to site all complete work and other fitting specification and instruction of engineer .	cum	3.18			
1.88	Supply,delivery and installation of Filter Media for Pressure Filter Vessel as 12-16mm-Gravel including transportation from amlekhjung to site all complete work and other fitting specification and instruction of engineer .	cum	2.12			
1.89	Supply,delivery and installation of Filter Media for Pressure Filter Vessel as 12-8mm-Gravel including transportation from amlekhjung to site all complete work and other fitting specification and instruction of engineer .	cum	2.12			
1.90	Supply,delivery and installation of Filter Media for Pressure Filter Vessel as 8-5mm- Gravel including transportation from amlekhjung to site all complete work and other fitting specification and instruction of engineer .	cum	1.06			
1.91	Supply,delivery and installation of Filter Media for Pressure Filter Vessel as 5-2mm-Sand including transportation from amlekhjung to site all complete work and other fitting specification and instruction of engineer .	cum	2.12			
1.92	Supply,delivery and installation of Filter Media for Pressure Filter Vessel as 1-2mm-Sand including transportation from amlekhjung to site all complete work and other fitting specification and instruction of engineer .	cum	2.12			

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1.93	Supply,delivery and installation of Filter Media for Pressure Filter Vessel as 0-1mm-Sand including transportation from amlekhjung to site all complete work and other fitting specification and instruction of engineer .	cum	2.12			
1.94	Supply,delivery and installation of Filter Media for Pressure Filter Vessel as Supply and placing filter media MnO2 30kg/bag including transportation from amlekhjung to site all complete work and other fitting specification and instruction of engineer .	cum	2.12			
1.95	Supply,delivery and installation of Filter Media for Pressure Filter Vessel as Katalox Light (FiltrationMedia) treatment or Model ATS Powder-Lead and Mercury Adsorbent including transportation from amlekhjung to site all complete work and other fitting specification and instruction of engineer .	cum	2.12			
1.96	Supply, delivery, Installation of Jointing of 150mm dia MS pipe and fittings as required: (a)From main supply pipeline to the inlet of the aerator. (b) From out let of the aerator to the inlet of the filter.(c) From outlet of the filter to OHT.(d)From chlorinator to the to inlet of the aerator PP and PVC pipe as required. MS exposed fittings MS valves, NRV, MS Aerator inlet pipe, filter operating pipe, Filter out let pipe & connection to existing CI pipe all complete as per drawing, specification and instruction of engineer.	set	2.00			
1.97	Testing and Commissioning works as per Drawing, Design and site Engineers Instruction.	Job	2.00			
1.98	Supply , placing, fixing of Electric Dosing system with 2 no. of 200 liters HDPE tanks; Seko AKS 603 dosing pump with range of 4 LPH at 12 bar to 8 LPH at 2 bar: 0.55 Mixer moter with PE coated Stainless Steel agitator, double-step MS Skid; interconnection pipe and fittings with 3 nos. of ball valves; electrical works all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	set	1.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.99	Supply, delivery of Flanged Joint, DI pipe, Dia 200 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	m	72.00			
1.100	Supply, delivery of Flanged Joint, DI pipe, Dia 250 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	m	48.00			
1.101	Supply, delivery and installation of DI Flanged Bell Mouth, 200 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	3.00			
1.102	Supply, delivery and installation of DI Flanged Bell Mouth, 250 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	2.00			
1.103	Supply, delivery and installation of DI Single Flanged Tail Piece 200 mm dia types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	6.00			
1.104	Supply, delivery and installation of DI Single Flanged Tail Piece 250 mm dia types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	4.00			
1.105	Supply, delivery and installation of DI Double Flanged Tail Piece 200 mm dia types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	3.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.106	Supply, delivery and installation of DI Double Flanged Tail Piece 250 mm dia types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	2.00			
1.107	Supply, delivery and installation of DI All Flanged Tee, Dia 200 mm x 80 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	6.00			
1.108	Supply, delivery and installation of DI All Flanged Tee, Dia 250 mm x 80 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	2.00			
1.109	Supply, delivery and installation of DI Double Flanged, 90 Deg Bend, Dia 200 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	6.00			
1.110	Supply, delivery and installation of DI Double Flanged, 90 Deg Bend, Dia 250 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	4.00			
1.111	Supply, delivery and installation of DI Double Flanged Sluice Valve, Dia 200 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	1.00			
1.112	Supply, delivery and installation of DI Double Flanged Sluice Valve, Dia 250 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	2.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.113	Supply, delivery and installation of DI Duck Foot 90 Degree Bend, 200 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	3.00			
1.114	Supply, delivery and installation of DI Duck Foot 90 Degree Bend, 250 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	1.00			
1.115	Laying and Jointing of Pipes & Fittings, Flanged Joint, DI pipe, Dia 200 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	m	72.00			
1.116	Laying and Jointing of Pipes & Fittings, Flanged Joint, DI pipe, Dia 250 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	m	48.00			
1.117	Supply, delivery of Flanged Joint, DI pipe, Dia 125 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	m	204.00			
1.118	Supply, delivery and installation of DI Double Flanged, 45 Deg Bend, Dia 125 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	no.	16.00			
1.119	Supply, delivery and installation of DI Double Flanged Tail Piece 125 mm dia types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	no.	16.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.120	Supply, delivery and installation of DI Flanged Socket, 125 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	no.	4.00			
1.121	Supply, delivery and installation of DI Double Flanged Tail Piece 150 mm dia types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	no.	4.00			
1.122	Supply, delivery and installation of DI Flanged Socket, 150 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	no.	6.00			
1.123	Supply, delivery of Flanged Joint, DI pipe, Dia 150 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	m.	30.00			
1.124	Supply, delivery and installation of DI All Flanged Tee, 125 mm dia types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	no.	4.00			
1.125	Supply, delivery and installation of DI All Flanged Tee, 150 mm dia types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	no.	4.00			
1.126	Supply, delivery and installation of DI All Flanged Cross, Dia 150 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	no.	4.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.127	Supply, delivery and installation of DI Sluice Valve, 125 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	no.	8.00			
1.128	Supply, delivery and installation of DI Sluice Valve, 150 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	no.	8.00			
1.129	Supply, delivery and installation of DI Mechanical Coupling, Dia 150 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	no.	4.00			
1.130	Supply, delivery and installation of GI Pipe 100 mm dia including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	m	48.00			
1.131	Supply, delivery and installation of 150 mm dia. CI Road surface Valve box with key including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	no.	4.00			
1.132	Supply, delivery and installation of 5 ton capacity CHAINPULLY BLOCK including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	no.	4.00			
1.133	Supply, delivery and installation of Forzed Steel Nut & bolt (different size) including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	no.	60.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.134	Supply, delivery and installation of 3mm thick Gasket liner (Fiber reinforce) including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	m	40.00			
1.135	Supply, delivery and installation of 300mm dia ISOD MS Blind Flange (22mm thick) including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	set	4.00			
1.136	Supply, delivery and installation of 125mm dia. ISOD Flange 22mm thick including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	set	4.00			
1.137	Supply, delivery and installation of 100mm dia. ISOD Flange 22mm thick including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	no.	4.00			
1.138	Supply, delivery and installation of Galvanized Iron (GI) column pipe -100 mm @ 3 m long including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	no.	60.00			
1.139	Supply, delivery and installation of Flange Set 100 mm dia including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	no.	120.00			
1.140	Supply, delivery and installation of Cast Iron Non Return Valve (Class 300), DN 125 types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	no.	4.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.141	Supply, delivery and installation of DI Double Flanged, 90 Deg Bend, Dia 125 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	no.	4.00			
1.142	Laying and Jointing of Pipes & Fittings, Flanged Joint, DI pipe, Dia 125 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	m	204.00			
1.143	Laying and Jointing of Pipes & Fittings, Flanged Joint, DI pipe, Dia 150 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	m	30.00			
1.144	Supply, delivery and installation of Gate Valve 50 mm dia (NS 149-2044) all complete work and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	Pc	55.00			
1.145	Supply, delivery and installation of GI Nipple 50 mm dia (6-inches long) all complete work and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	Pc	41.00			
1.146	Supply, delivery and installation of GI Reducer 65 mm x 50 mm all complete work and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	Pc	41.00			
1.147	Supply, delivery and installation of GI Equal Tee 50 mm dia all complete work and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	Pc	2.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.148	Supply, delivery and installation of GI/HDPE Flanged Set 50 mm dia with Adopter all complete work and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	Pc	59.00			
1.149	Supply, delivery and installation of Brass Union 50 mm dia all complete work and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	Pc	41.00			
1.150	Supply, delivery , installation of HDPE Reducer 63 mm x 50 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	133.00			
1.151	Supply, delivery , installation of HDPE Reducer 75 mm x 63 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	38.00			
1.152	Supply, delivery , installation of HDPE Reducer 75 mm x 50 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	78.00			
1.153	Supply, delivery , installation of HDPE Reducer 90 mm x 75 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	18.00			
1.154	Supply, delivery , installation of HDPE Reducer 90 mm x 63 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	7.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.155	Supply, delivery , installation of HDPE Reducer 90 mm x 50 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	27.00			
1.156	Supply, delivery , installation of HDPE Reducer 110 mm x 90 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	11.00			
1.157	Supply, delivery , installation of HDPE Reducer 110 mm x 75 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	6.00			
1.158	Supply, delivery , installation of HDPE Reducer 110 mm x 63 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	7.00			
1.159	Supply, delivery , installation of HDPE Reducer 110 mm x 50 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	27.00			
1.160	Supply, delivery , installation of HDPE Reducer 125 mm x 110 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	1.00			
1.161	Supply, delivery , installation of HDPE Reducer 125 mm x 90 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	8.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.162	Supply, delivery , installation of HDPE Reducer 125 mm x 75 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	6.00			
1.163	Supply, delivery , installation of HDPE Reducer 125 mm x 50 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	3.00			
1.164	Supply, delivery , installation of HDPE Reducer 140 mm x 125 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	1.00			
1.165	Supply, delivery , installation of HDPE Reducer 140 mm x 110 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	3.00			
1.166	Supply, delivery , installation of HDPE Reducer 140 mm x 90 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	1.00			
1.167	Supply, delivery , installation of HDPE Reducer 140 mm x 75 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	2.00			
1.168	Supply, delivery , installation of HDPE Reducer 140 mm x 50 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	1.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.169	Supply, delivery , installation of HDPE Reducer 160 mm x 140 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	5.00			
1.170	Supply, delivery , installation of HDPE Reducer 160 mm x 125 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	3.00			
1.171	Supply, delivery , installation of HDPE Reducer 160 mm x 110 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	11.00			
1.172	Supply, delivery , installation of HDPE Reducer 160 mm x 90 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	2.00			
1.173	Supply, delivery , installation of HDPE Reducer 160 mm x 75 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	12.00			
1.174	Supply, delivery , installation of HDPE Reducer 160 mm x 63 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	16.00			
1.175	Supply, delivery , installation of HDPE Reducer 160 mm x 50 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	75.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.176	Supply, delivery , installation of HDPE Reducer 200 mm x 160 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	3.00			
1.177	Supply, delivery , installation of HDPE Reducer 250 mm x 160 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	6.00			
1.178	Supply, delivery , installation of HDPE Reducer 250 mm x 140 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	1.00			
1.179	Supply, delivery , installation of HDPE Reducer 250 mm x 110 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	2.00			
1.180	Supply, delivery , installation of HDPE Reducer 280 mm x 200 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	1.00			
1.181	Supply, delivery , installation of HDPE Reducer 280 mm x 160 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	4.00			
1.182	Supply, delivery , installation of HDPE Reducer 180 mm x 160 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	5.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.183	Supply, delivery , installation of HDPE Reducer 180 mm x 110 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	1.00			
1.184	Supply, delivery , installation of HDPE Reducer 280 mm x 180 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	2.00			
1.185	Supply, delivery , installation of HDPE Reducer 280 mm x 110 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	1.00			
1.186	Supply, delivery , installation of HDPE Tee 50 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	143.00			
1.187	Supply, delivery , installation of HDPE Tee 63 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	69.00			
1.188	Supply, delivery , installation of HDPE Tee 75 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	44.00			
1.189	Supply, delivery , installation of HDPE Tee 90 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	23.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.190	Supply, delivery , installation of HDPE Tee 110 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	32.00			
1.191	Supply, delivery , installation of HDPE Cross Tee 50 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	34.00			
1.192	Supply, delivery , installation of HDPE Cross Tee 63 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	20.00			
1.193	Supply, delivery , installation of HDPE Cross Tee 75 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	26.00			
1.194	Supply, delivery , installation of HDPE Cross Tee 90 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	9.00			
1.195	Supply, delivery , installation of HDPE Cross Tee 110 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	8.00			
1.196	Supply, delivery , installation of HDPE End Cap 50 mm dia HDPE pipe with Butt welding including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer. (NS-40)	Pc	130.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.197	Supply, delivery and installation of DI Double Flanged reducer, Dia 250 mm x 150 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	9.00			
1.198	Supply, delivery and installation of DI Double Flanged reducer, Dia 200 mm x 150 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	6.00			
1.199	Supply, delivery and installation of DI Double Flanged reducer, Dia 150 mm x 125 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	7.00			
1.200	Supply, delivery and installation of DI Double Flanged reducer, Dia 150 mm x 100 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	2.00			
1.201	Supply, delivery and installation of DI Double Flanged reducer, Dia 150 mm x 65 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	19.00			
1.202	Supply, delivery and installation of DI Double Flanged reducer, Dia 125 mm x 100 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	2.00			
1.203	Supply, delivery and installation of DI Double Flanged reducer, Dia 125 mm x 80 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	3.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.204	Supply, delivery and installation of DI Double Flanged reducer, Dia 125 mm x 65 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	2.00			
1.205	Supply, delivery and installation of DI Double Flanged reducer, Dia 100 mm x 80 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	3.00			
1.206	Supply, delivery and installation of DI Double Flanged reducer, Dia 100 mm x 65 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	3.00			
1.207	Supply, delivery and installation of DI Double Flanged reducer, Dia 80 mm x 65 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	10.00			
1.208	Supply, delivery and installation of DI Double Flanged reducer, Dia 250 mm x 200 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	3.00			
1.209	Supply, delivery and installation of DI Double Flanged reducer, Dia 200 mm x 100 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	1.00			
1.210	Supply, delivery and installation of DI All Flanged Cross, Dia 250 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	9.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.211	Supply, delivery and installation of DI All Flanged Cross, Dia 200 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	5.00			
1.212	Supply, delivery and installation of DI All Flanged Cross, Dia 150 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	23.00			
1.213	Supply, delivery and installation of DI All Flanged Cross, Dia 125 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	4.00			
1.214	Supply, delivery and installation of DI All Flanged Cross, Dia 100 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	1.00			
1.215	Supply, delivery and installation of DI All Flanged Cross, Dia 80 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	4.00			
1.216	Supply, delivery and installation of DI All Flanged Cross, Dia 65 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	7.00			
1.217	Supply, delivery and installation of DI/HDPE Flanged Set 300 mm dia with Adopter types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	3.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.218	Supply, delivery and installation of DI/HDPE Flanged Set 250 mm dia with Adopter types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	42.00			
1.219	Supply, delivery and installation of DI/HDPE Flanged Set 200 mm dia with Adopter types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	20.00			
1.220	Supply, delivery and installation of DI/HDPE Flanged Set 150 mm dia with Adopter types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	382.00			
1.221	Supply, delivery and installation of DI/HDPE Flanged Set 125 mm dia with Adopter types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	57.00			
1.222	Supply, delivery and installation of DI/HDPE Flanged Set 100 mm dia with Adopter types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	15.00			
1.223	Supply, delivery and installation of DI/HDPE Flanged Set 80 mm dia with Adopter types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	17.00			
1.224	Supply, delivery and installation of DI/HDPE Flanged Set 65 mm dia with Adopter types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	23.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.225	Supply, delivery and installation of DI Double Flanged Sluice Valve, Dia 250 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	2.00			
1.226	Supply, delivery and installation of DI Double Flanged Sluice Valve, Dia 200 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	2.00			
1.227	Supply, delivery and installation of DI Double Flanged Sluice Valve, Dia 150 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	41.00			
1.228	Supply, delivery and installation of DI Double Flanged Sluice Valve, Dia 125 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	6.00			
1.229	Supply, delivery and installation of DI Double Flanged Sluice Valve, Dia 100 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	10.00			
1.230	Supply, delivery and installation of DI Double Flanged Sluice Valve, Dia 80 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	11.00			
1.231	Supply, delivery and installation of DI Double Flanged Sluice Valve, Dia 65 mm types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	16.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.232	Supply, delivery and installation of DI All Flanged Tee, 80 mm dia types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	2.00			
1.233	Supply, delivery and installation of DI All Flanged Tee, 100 mm dia types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	4.00			
1.234	Supply, delivery and installation of DI All Flanged Tee, 125 mm dia types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	14.00			
1.235	Supply, delivery and installation of DI All Flanged Tee, 150 mm dia types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	106.00			
1.236	Supply, delivery and installation of DI All Flanged Tee, 200 mm dia types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	2.00			
1.237	Supply, delivery and installation of DI All Flanged Tee, 250 mm dia types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	6.00			
1.238	Supply, delivery and installation of DI All Flanged Tee, 300 mm dia types K-9 and Class-C40 including accessories all complete work in all respects as per the approved drawings, technical specifications, and as directed by the Engineer.	Pc	1.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.239	Supply, delivery and installation of GI Equal Cross 50 mm dia all complete work and other fitting specification and instruction of engineer (confirming NS 302/ IS1879, IS 1239 Part 2:2011, IS 4846:2000, and other related standards or equivalent)	Pc	4.00			
1.240	Rig setting up and preparation of mud pit all complete work and other fitting specification and instruction of engineer	Well	4.00			
1.241	Camp setting and preparation including site clearance all complete work and other fitting specification and instruction of engineer	Well	4.00			
1.242	Supply, delivery and installation of Assembling centralising & sinking of guide pipe of size 22" dia to a depth of 10m all complete work and other fitting specification and instruction of engineer	m	40.00			
1.243	Drilling of pilot hole by std bit ranging from 7 5/8" to 9 7/8"dia for the first initial depth of 100m with drilling rigmachine in medium formation (Consists of gravel fine to medium,). upto 100 meter. all complete work and other fitting specification and instruction of engineer	m	400.00			
1.244	Drilling of pilot hole by std bit ranging from 7 5/8" to 9 7/8"dia for the first initial depth of 100m with drilling rigmachine in medium formation (Consists of gravel fine to medium,). above 100 meter all complete work and other fitting specification and instruction of engineer	m	360.00			
1.245	Electrical logging for full depth of drilled pilot hole (resestivity test)-100 meter well all complete work and other fitting specification and instruction of engineer	m	760.00			
1.246	First Reaming of pilot hole by std bit above 97/8"and below 13 3/4"dia for the first initial depth of 100m with drilling machine in soft formation(consists of gravel fine to medium) upto 100m all complete work and other fitting specification and instruction of engineer	m	400.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.247	First Reaming of pilot hole by std bit above 97/8"and below 13 3/4"dia for the first initial depth of 100m with drilling machine in soft formation(consists of gravel fine to medium) above 100m all complete work and other fitting specification and instruction of engineer	m	360.00			
1.248	Lowering of pipe assembly of 250/200 mm diameter to a depth of 200m all complete work and other fitting specification and instruction of engineer	m	760.00			
1.249	Collection of lithological samples at every 2m depth and at every change of formation all complete work and other fitting specification and instruction of engineer	Job	4.00			
1.250	Supply and packing of 4-8 mm dia. Pea gravels = add 10% by considering the losses due to cavity formation during well development for 200 m length all complete work and other fitting specification and instruction of engineer	Cu.m.	137.88			
1.251	Supply , delivery and installation of 250mm MS Casing pipe of thickness 6.3 to 7.0 mm or above having bevelled ends. all complete work and other fitting specification and instruction of engineer	m	220.00			
1.252	Supply , delivery and installation of 200mm MS Casing pipe of thickness 6.3 to 7.0 mm or above having bevelled ends. all complete work and other fitting specification and instruction of engineer	m	444.00			
1.253	Supply , delivery and installation of 200mm dia SS304 Jhonson Stainless Steel continuous slotted pipe of thickness 6.3 to 7.0mm or above with slots of size 1.mmx75mm and percentage of opening ranging from 20-25% throughout having bevelled ends all complete work and other fitting specification and instruction of engineer	m	96.00			
1.254	Supply , delivery and installation of Miscellaneous (well cap, cross bar, centralizer, bottom plug, clamps, welding etc) all complete work and other fitting specification and instruction of engineer	set	4.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.255	Well development by drilling Rig machine for well size of 8" dia. (Back washing and inner washing all complete work and other fitting specification and instruction of engineer	m	760.00			
1.256	Well development by Compressor machine for well size of 8" dia. (Hiw. 24 hrs.) all complete work and other fitting specification and instruction of engineer	Hrs.	96.00			
1.257	Well development by belling for an 8" diameter well (Duration: 24 hours). all complete work and other fitting specification and instruction of engineer	Hrs.	96.00			
1.258	Well development by pump 8" dia. (24 hrs) all complete work and other fitting specification and instruction of engineer	Hrs.	96.00			
1.259	Performing Drawdown test- Aquifer Test (24 hours) all complete work and other fitting specification and instruction of engineer	Hrs.	96.00			
1.260	Performing Step drawdown test (at least 4 steps to 36 hours) all complete work and other fitting specification and instruction of engineer	Hrs.	96.00			
1.261	Performing Recovery Test (for 12 hours) all complete work and other fitting specification and instruction of engineer	Well	4.00			
1.262	Performing Water quality test all complete work and other fitting specification and instruction of engineer	L.S.	4.00			
1.263	Preparation and Submission of well completion report with, litholog, well design, pumping test analysis and water quality analysis report all complete work and other fitting specification and instruction of engineer	Copies	4.00			
1.264	Supply, delivery and installation of 580 mm Porcelain clay white glaze Orissa Pan, P or S trap all complete work and other fitting specification and instruction of engineer	Set	1.00			

Construction work
CPV: 45000000-7 - Construction work

SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.265	Supply, delivery and installation of 50x40cm Porcelain clay Oval white glaze Wash basin ,32 mm pvc bottle trap including 32mm CP waste coupling with CP chain and rubber plug,15 mm CP basin pillercock ,screw etc. all complete work and other fitting specification and instruction of engineer	Set	1.00			
1.266	Supply, delivery and installation of Kitchen Sink Stainless steel double Bowl 62" long 8" deep with sink cock all complete set. all complete work and other fitting specification and instruction of engineer	Set	1.00			
1.267	Supply, delivery and installation of C.P. Conceled Valve all complete work and other fitting specification and instruction of engineer	Nos	1.00			
1.268	Supply, delivery and installation of C.P. Shower Rose all complete work and other fitting specification and instruction of engineer	Nos	1.00			
1.269	Supply, delivery and installation of Stainless steel soap tray 15x15 cm size) all complete work and other fitting specification and instruction of engineer	Nos	1.00			
1.270	Supply, delivery and installation of Stainless Steel towel rod 1.5x45cm all complete work and other fitting specification and instruction of engineer	Nos	1.00			
1.271	Supply, delivery and installation of 0.5"dia CP angle valve all complete work and other fitting specification and instruction of engineer	Nos	1.00			
1.272	Supply, delivery and installation of 0.5" long bib cock all complete work and other fitting specification and instruction of engineer	Nos	2.00			
1.273	Supply, delivery and installation of PVC Floor trap 11x7.5cm all complete work and other fitting specification and instruction of engineer	Nos	1.00			
1.274	Supply, delivery and installation of Looking Mirror 55x40cm (22"x 16") all complete work and other fitting specification and instruction of engineer	Nos	1.00			

Construction work
CPV: 45000000-7 - Construction work

SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.275	Supply, delivery and installation of CPVC 25mm Ball Valve all complete work and other fitting specification and instruction of engineer	No.	1.00			
1.276	Supply, delivery and installation of CPVC pipe quality with fitting and joining materials PN-10 \SDR 11,1" dia all complete work and other fitting specification and instruction of engineer	Rm	10.00			
1.277	Supply, delivery and installation of CPVC pipe quality with fitting and joining materials PN-10 \SDR 11, 3/4" dia all complete work and other fitting specification and instruction of engineer	Rm	10.00			
1.278	Supply, delivery and installation of UPVC pipe WIP with fitting joining materials with rain water pipe 4" dia110 mm dia PVC Pipe 6 kg/cm2. all complete work and other fitting specification and instruction of engineer	Rm	10.00			
1.279	Supply, delivery and installation of UPVC pipe WIP with fitting joining materials with rain water pipe 4" dia 50 mm dia PVC Pipe 6 kg/cm2. all complete work and other fitting specification and instruction of engineer	Rm	5.00			
1.280	Supply, delivery and installation of High density polethene pipe 160mm.(4kg/cm2) all complete work and other fitting specification and instruction of engineer	Rm	5.00			
1.281	Supply, delivery and installation of 1.0 H P Electric motor pump Multi stage coupled all complete work and other fitting specification and instruction of engineer	Set	1.00			
1.282	Supply, delivery and installation of 500 ltr. PVC water tank with Inlet, outlet, over flow, cleanout hole and Tanki nipples with wash out plug etc. all complete work and other fitting specification and instruction of engineer	set	1.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.283	Supply, Tramsportation and Erection of 11m steel Tubular poles, excavation of footing, making pole vertical and placing in footing ramming, back filling of soil for strengthening fitting as per fallowing accessories all complete all complete work and other fitting specification and instruction of engineer	set	8.00			
1.284	Supply Transportation and Installation of HT Line fitting acessories as per specification, drawing and Engineer instruction all complete-Pin Insulator (voltage 11kv) all complete work and other fitting specification and instruction of engineer	Set	16.00			
1.285	Supply Transportation and Erection of HT Line fitting acessories as per specification, drawing and Engineer instruction all complete-Disc insulator (voltage 11kv) with Grafer all complete work and other fitting specification and instruction of engineer	Nos	16.00			
1.286	Supply Transportation and Installation of HT Line fitting acessories as per specification, drawing and Engineer instruction all complete-Dead end Clamp all complete work and other fitting specification and instruction of engineer	Set	16.00			
1.287	Supply Transportation and Erection of HT Line fitting acessories as per specification, drawing and Engineer instruction all complete-PG Clamp all complete work and other fitting specification and instruction of engineer	Set	16.00			
1.288	Supply Transportation and Installation of HT Line fitting acessories as per specification, drawing and Engineer instruction all complete-Steel Crossarm Channel (100*50*6.4*5*300) mm all complete work and other fitting specification and instruction of engineer	Set	4.00			
1.289	Supply Transportation and Installation of HT Line fitting acessories as per specification, drawing and Engineer instruction all complete-Steel Crossarm Channel (100*50*6.4*5*1200) mm all complete work and other fitting specification and instruction of engineer	Set	4.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.290	Supply Transportation and Installation of HT Line fitting acessories as per specification, drawing and Engineer instruction all complete-Steel Crossarm Channel (100*50*6.4*5*2390) mm all complete work and other fitting specification and instruction of engineer	Set	4.00			
1.291	Supply Transportation and Installation of HT Line fitting acessories as per specification, drawing and Engineer instruction all complete-Transformer Mounting Cross Arm(100*50*6.4*5*2490) all complete work and other fitting specification and instruction of engineer	Set	8.00			
1.292	Supply Transportation and Installation of HT Line fitting acessories as per specification, drawing and Engineer instruction all complete-Transformer mounting bracing arm(size 500 mm long) all complete work and other fitting specification and instruction of engineer	Set	8.00			
1.293	Supply Transportation and Installation of HT Line fitting acessories as per specification, drawing and Engineer instruction all complete-Flat Crossarm Brace (40*6.0*660) mm all complete work and other fitting specification and instruction of engineer	Nos	4.00			
1.294	Supply Transportation and Installation of HT Line fitting acessories as per specification, drawing and Engineer instruction all complete-Bracing Angle (40*40*5*2071) mm all complete work and other fitting specification and instruction of engineer	Nos	4.00			
1.295	Supply Transportation and Installation of HT Line fitting acessories as per specification, drawing and Engineer instruction all complete-Crossarm Bracing Angle (40*40*5*2723)mm all complete work and other fitting specification and instruction of engineer	Nos	2.00			
1.296	Supply Transportation and Installation of HT Line fitting acessories as per specification, drawing and Engineer instruction all complete-Pole clamp all complete work and other fitting specification and instruction of engineer	Set	8.00			

Construction work
CPV: 45000000-7 - Construction work

SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.297	Supply, Transportaion and Stringing of 0.05 sq. inch ACSR conductor with proper tension in 11kV HT Line as per specification, drawing and Engineer instruction all complete and other fitting specification and instruction of engineer	km	0.48			
1.298	Supply, Transportation and Installation of Stay set including pit excavation and backfilling, stay wire and stay insulator fitting -Stay set HT 8 feet long with HT Insulator and other fitting specification and instruction of engineer	set	8.00			
1.299	Supply, Transportation and Installation of Stay set including pit excavation and backfilling, stay wire and stay insulator fitting -Stay Wire 7/12 and other fitting specification and instruction of engineer	Kg	96.00			
1.300	Supply, Transportation and Installation of Stay set including pit excavation and backfilling, stay wire and stay insulator fitting -Nut&Bolts (size) and other fitting specification and instruction of engineer	Kg	2.00			
1.301	Supply, Transportation and Installation of Distribution Transformer set with earthing works, LA, DO, GS with Earthing complete all complete set as per technical specifications and drawings-50kVA 11/0.4kV Transformer and other fitting specification and instruction of engineer	set.	2.00			
1.302	Supply, Transportation and Installation of HT Line fitting all complete-Earthing Plate all complete work and other fitting specification and instruction of engineer	Nos	6.00			
1.303	Supply, Transportation and Installation of HT Line fitting all complete-Earthing wire all complete work and other fitting specification and instruction of engineer	kg	4.00			
1.304	Supply, Transportation and Installation of HT Line fitting all complete-Earthing powder all complete work and other fitting specification and instruction of engineer	kg	50.00			

Construction work
CPV: 45000000-7 - Construction work

SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.305	Supply, Transportation and Installation of HT Line fitting all complete-Lightening arrestor (Voltage 11 KV) all complete work and other fitting specification and instruction of engineer	Nos	6.00			
1.306	Supply, Transportation and Installation of HT Line fitting all complete-Drop out fuse set (Voltage 11 KV) all complete work and other fitting specification and instruction of engineer	Nos	6.00			
1.307	Supply, delivery and installation of 4 core (XLPE and PVC Insulation) Armoured Aluminum 35 sq. mm cable IS Marked or Equivalent as per IS 7098 Part I & II , IS 1554 Part I& II and IS-694 all complete work and other fitting specification and instruction of engineer	m	40.00			
1.308	Supply, delivery and installation of 4 core (XLPE and PVC Insulation) Armoured cu. 4 sq. mm cable IS Marked or Equivalent as per IS 7098 Part I & II , IS 1554 Part I& II and IS-694 all complete work and other fitting specification and instruction of engineer	m	40.00			
1.309	Supply, delivery and installation of 3.5 core 25 sq.mm (XLPE and PVC Insulation) insuleted multi strand Copper un-armoed cable IS Marked or Equivalent as per IS 7098 Part I & II , IS 1554 Part I& II and IS-694 all complete work and other fitting specification and instruction of engineer	m	20.00			
1.310	Supply, delivery and installation of 3.5 core 25 sq.mm (XLPE and PVC Insulation) insuleted multi strand Copper armoed cable IS Marked or Equivalent as per IS 7098 Part I & II , IS 1554 Part I& II and IS-695 all complete work and other fitting specification and instruction of engineer	m	40.00			
1.311	Supply, delivery and installation of 3 core 10 sq.mm (XLPE and PVC Insulation) insuleted multi strand Copper submersible Flat , IS 1554 Part I& II and IS-696 all complete work and other fitting specification and instruction of engineer	m	560.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.312	Supply, delivery and installation of Modular LT Control Panel for 27.5 HP with Premagnetic contactor based and dizital controller module of (12.5 HP@ 1 no. &+ 15 HP @1 no.) Star Delta Starter, Fully Automatic Operation of Pump (2W) Auto / Manual mode, Manual Changeover for AVR by pass & Automatic Phase corrector Supply, delivery, installation, testing and commissioning of a complete 60/75/100 Amp panel board (1400 × 1600 × 300 mm) with copper busbar and all necessary hardware, comprising 80A TPN MCCB, electronic digital voltmeter and ammeter, 100/5A CT coils (3 nos.), 6 nos. indication LED lights, voltmeter and ammeter selector switches, 6 nos. ampere glass fuses with holders, 3-phase kWh energy meter, 2 nos. 32A TPN MCCBs (25kA), 2 nos. pre-magnetic contactor-based star-delta starter modules suitable for 10–15 HP motors, 2 nos. 16/32A DP MCBs, 2 nos. 16A SP MCBs and 1 no. 80A TPN 4-pole manual changeover switchs. all complete work and other fitting specification and instruction of engineer	set	1.00			
1.313	Supply, delivery and installation of Modular LT Control Panel for 40HP with Premagnetic contactor based and dizital controller module of (20 HP@ 2 no. & Star Delta Starter, Fully Automatic Operation of Pump (2W) Auto / Manual mode, Manual Changeover for AVR by pass & Automatic Phase corrector Supply, delivery, installation, testing and commissioning of a complete 60/75/100 Amp panel board (1400 × 1600 × 300 mm) with copper busbar and all necessary hardware, comprising 80A TPN MCCB, electronic digital voltmeter and ammeter, 100/5A CT coils (3 nos.), 6 nos. indication LED lights, voltmeter and ammeter selector switches, 6 nos. ampere glass fuses with holders, 3-phase kWh energy meter, 2 nos. 32A TPN MCCBs (25kA), 2 nos. pre-magnetic contactor-based star-delta starter modules suitable for 20 HP motors, 2 nos. 16/32A DP MCBs, 2 nos. 16A SP MCBs and 1 no. 80A TPN 4-pole manual changeover switchs. all complete work and other fitting specification and instruction of engineer	set	1.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.314	Supply, delivery and installation of The Capacity of 720 l/min and Puming Head is 56.29 +/- 10 m .The size of 20 HP and Pump efficiency is 60% Or equivalent, submersible motor pump accessories fitted with all complete as per specification, drawings & instructions. all complete work and other fitting specification and instruction of engineer	set	2.00			
1.315	Supply, delivery and installation of The Capacity of is 630 l/min and Puming Head is 52.63 +/- 10 m .The size of 12.5 HP and Pump efficiency is 60% Or equivalent, submersible motor pump accessories fitted with all complete as per specification, drawings & instructions. all complete work and other fitting specification and instruction of engineer	set	1.00			
1.316	Supply, delivery and installation of The Capacity of is600 l/min and Puming Head is 55.34 +/- 10 m .The size of 15 HP and Pump efficiency is 60% Or equivalent, submersible motor pump accessories fitted with all complete as per specification, drawings & instructions. all complete work and other fitting specification and instruction of engineer	set	1.00			
1.317	Supply, delivery and installation of lightening arrestor system of overhead tank with all complete meeting the requirement of IS/IEC 62305,62561 with all air termination system, down conductor system complete as per specifications. all complete work and other fitting specification and instruction of engineer	set	1.00			
1.318	Supply, delivery and installation of Light, fan Point with 2x2.5 Sq. mm/equivalent cu cable, bends, circular & Junction boxes all complete work and other fitting specification and instruction of engineer	Point	13.00			
1.319	Supply, delivery and installation of IP 66 16 A Power outlet Point with 2x4+1x1.5 sq. mm / equivalent cu cable, bends, circular & Junction Boxes all complete work and other fitting specification and instruction of engineer	Point	3.00			

Construction work
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SL. No.	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1.320	Supply, delivery and installation of LED Tubelight -20W all complete work and other fitting specification and instruction of engineer	Set	3.00			
1.321	Supply, delivery and installation of 12 watt surface led light all complete work and other fitting specification and instruction of engineer	Set	1.00			
1.322	Supply, delivery and installation of 6 watt surface led light all complete work and other fitting specification and instruction of engineer	Set	6.00			
1.323	Supply, delivery and installation of 48" 3 Blade Ceiling fan with J Hook all complete work and other fitting specification and instruction of engineer	Set	3.00			
1.324	Supply, delivery and installation of 12" Exhaust Fan all complete work and other fitting specification and instruction of engineer	Set	1.00			
1.325	Supply, delivery and installation of 10 A 4 Gang 1 way switch all complete work and other fitting specification and instruction of engineer	Set	4.00			
1.326	Supply, delivery and installation of IP 66 16 A Power outlet all complete work and other fitting specification and instruction of engineer	Set	3.00			
1.327	Supply, delivery and installation of 18 SWG Metal Box 1-4 Gang(3"x3") all complete work and other fitting specification and instruction of engineer	set	7.00			
1.328	Supply, delivery and installation of DB-Guard(4 Way SPN DB),16 A DP MCB-1 Set,16 A SP MCB-1 Set,6 A SP MCB-1 Set all complete work and other fitting specification and instruction of engineer	Set	1.00			
1.329	Supply, delivery and installation of 2C 4 sq mm unarmoured cu power cable all complete work and other fitting specification and instruction of engineer	m	4.00			

Construction work CPV: 45000000-7 - Construction work						
SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.330	Supply, installation, testing & commissioning of Generator set conforming complies with current CPCB emission norms, Critical grade silencers, coupled and aligned with continuous Rated 62.5 KVA (AMF not required), 415 KV, 3-Φ, 50 Hz. of DG, industrial type brushless A.C. Alternator on a common base frame as factory fabricated acoustic enclosure with all standard accessories such as MS painted day oil tank & valves, fully charged lead-acid batteries with angle-iron stand, battery leads, engine protection unit, sensors for winding & bearing temp monitoring, anti-vibration mountings complete in all respects as per the manufacturer's drawing, specification, and instruction.	set	1.00			
1.331	Supply, erection and installation of HDPE reserve fuel tank of 1000 liter capacity for stocking above mentioned diesel generator set including all civil work (excavation, concreting, brickwork, plastering, backfilling, etc) or all mechanical works (construction of MS channel platform and fixing them in position) in order to make elevated platform (as per manufacturer's requirement) with all pipe connections, valves, fittings, 1 phase motor etc. for complete work for operation.	set	1.00			
1.332	Supplying and fixing 3 kg capacity Carbon-dioxide Fire Extinguisher unit in the generator house including supply and fixing of MS Steel work for mounting extinguisher with all hardware for complete work.	set	3.00			
1.333	Supply, delivery, installation, commissioning and testing of 62.5 kVA, three-phase, oil-cooled, outdoor-type, copper-wound, servo-controlled automatic voltage stabilizer (TPN), suitable for water supply pumping station applications, with input voltage range of 260–460 V and regulated output voltage of 460 V, complete with automatic voltage regulation system, digital voltmeter and ammeter, phase failure and phase reversal protection, overload protection, short-circuit protection, high/low voltage cut-off, cooling arrangement, earthing terminals, all necessary cables, connectors and accessories, including testing and commissioning, complete in all respects as per approved specifications, manufacturer's recommendations and instructions, and to the satisfaction of the Engineer.	set	1.00			

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SL. No.	**Item Description**	**Unit**	**Quantity**	**Bidder's Rate (NPR)**	**Bidder's Rate (in words)**	**Total Amount (NPR)**
1.334	Supply, delivery, embedding and nstallation of (600x600x3) mm electrolytically pure copper plate at least 3m below the ground level surrounded by alternate layer of charcoal and common salt to thickness of 300mm around the electrode effectively grounded by means of 8 swg bare cu wire conductor including the necessary connecting, fixing and jont materials as well as evacuation and backfillng works as per drawing, specification, electricity rules and instruction all complete. - 2 set for DG Neutral. - 2 set for DG Body - 2 set for Voltage Stabilizer	set	6.00			
1.335	Supply and Installation of 8SWG GI Wire for Motor Starter, Metal clad socket, JB and accessories Earthing.	m	90.00			

Total Item Price	
VAT (13.00%)	
Grand Total	