

**PRICE BID**

Name of Work:- Water supply scheme at 220KV Samaguri GSS, AEGCL.

NIT NO.:- AEGCL/DGM/TTC/TEZ/T-20/2020/107 Dated 29/07/2020

Name of Bidder:- .....

Sl. No.	Description of Item	Qty	Unit	Rate	Amount
(A)	<b>Construction of RCC slow sand water filter for colony at 220KV Samaguri GSS, AEGCL.</b>				
1	Earth work in excavation for foundation trenches of walls retaining walls, footings of column, steps, septic tank etc. including refilling the quantity as necessary after ..... removal of surplus earth with all lead and lifts as directed and specified. (A) Up to a depth of 1.00 m below the existing ground level. (b) In hard soil.	6.21	cum		
2	Providing soling in foundation and under floor with stone/ best quality picked jhama brick, sand packed and laid to level and in panel after preparing the subgrade as directed including all labour and materials and if necessary dewatering, complete. (c).Stone soling of thickness 150mm.	33.12	sqm		
3	Providing soling in foundation and under floor with stone/ best quality picked jhama brick, sand packed and laid to level and in panel after preparing the subgrade as directed including all labour and materials and if necessary dewatering, complete. (a).Brick on flat soling.	16.56	sqm		
4	Brick work in cement mortar with 1st class brick including racking out joints and curing complete as directed. (I) In Sub-structure upto plinth level including dewatering if necessary (b) In proportion 1:4.	2.26	cum		
5	Earth/ sand filling in plinth in layers not more than 150mm thick including necessary carriage, watering, ramming etc. complete as directed and specified including payment of land compensation, forest royalty, sales tax and other duties and taxes as may be necessary. (c) With river sand or silt (predominantly non plastic) by truck carriage including loading and unloading.	9.94	cum		
6	Plain cement concrete works with coarse aggregate of sizes 13mm to 32mm in foundation bed for footing steps, walls, brick works etc as directed and specified including dewatering if necessary, and curing complete (shuttering where necessary shall be measured and paid separately). (a) In prop 1:3:6 aggregate by volume.	2.13	cum		
7	Supplying, fitting and fixing in position reinforcement bars conforming to relevant IS code for R.C.C. work/ R.B. walling including straightening, cleaning, cutting and bending to proper shapes .....and placing in position with proper blocks, supports, chairs, spacers etc. complete. (up to 1st floor level). (b) Other ISI approved TMT reinforcement bar (SRMB/SAI/BISCON/Xtech) (For Assam Type Bldg., drain works,,retaining wall&boundary wall etc. . (i) TATA/SAIL	13.42	Qtl		
8	Providing form work of ordinary timber planking so as to give a rough finish including centering, shuttering, strutting and propping etc., height of propping and centering below supporting floor to ceiling not exceeding 4.0 M and removal of the same for in-situ reinforced concrete and plain concrete work in: 3.1.1.1 (b) Using 25mm thick plank 3.1.1.3 (ii) Using 25mm thick plank (Wall) 3.1.1.5 (ii) Using 25mm thick plank (Filter Slab)	1.58 85.56 9.23	sqm sqm sqm		
9	Providing and laying Plain/Reinforced cement concrete works in prop 1:2:4 including dewatering if necessary, and curing complete but excluding cost of form work and reinforcement for reinforced cement concrete works (shuttering where necessary shall be measured and paid separately). (I) Using mixture machine. (B) in superstructure from plinth level upto 1st floor	7.90	cum		
10	Providing precast R.C.C slab over drain ,septic tank etc. in prop. 1:2:4 reinforced with 10mm M.S. bar @ 150mm centre both ways tying with 20 gauge black annealed wire with necessary shuttering , curing etc. complete including fixing in position as directed. a) 100mm thick slab	3.25	sqm		
11	15 mm thick Cement plaster in single coat on single or half brick wall for interior plastering up to 1st floor level including arises, internal rounded angles, not exceeding 80mm girth and finished even and smooth including curing complete as directed. A)On rough side b)In cement mortar 1:4	9.84	Sqm		

Sl. No.	Description of Item	Qty	Unit	Rate	Amount
12	Cement plaster skirting with cement mortar in prop. 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement including rounding of junctions with floor. (a) 20 mm thick	110.34	Sqm		
13	Supply and Laying of Coarse Sand for Filter Bed	9.00	cum		
14	Supplying fitting and fixing M.S.angles, M.S. flat, M.S. bolts and nuts including painting with red lead paint one coat complete as directed. a) M. S. Angle. (25x25x5 mm angle)	1.16	Qtl		
15	Providing corrugated galvenised Iron sheet roofing of TATA SHAKTEE / SAIL including fitting and fixing necessary galvenised J or L hooks, bolts and nuts 8 mm dia with bitumen washer 25 mm dia x 3 mm thick and 1.6 mm thick limpet washer complete excluding cost of roof truss, purlin etc. (Roof trusses and purlin etc.to be measured and paid separately). (a) 0.45 mm thick	26.03	Sqm		
16	Supplying fitting and fixing Pipes with all necessary fittings in exposed or in trenches includind trenching and refilling the same etc complete as directed. ix) 100 mm dia	7.00	Rm		
17	Supplying fitting and fixing Pipes with all necessary fittings in exposed or in trenches includind trenching and refilling the same etc complete as directed. ix) 40 mm dia	6.00	Rm		
18	Supplying and fitting gun metal country pit valve (full way valve) I.S.I. Make as specified and directed. b) 40 mm dia.	1.00	Each		
<b>(B) Supplying and fitting of pipelines and other related items of water supply scheme for colony at 220KV Samaguri GSS, AEGCL.</b>					
19	Supplying and placing plastic cylindrical vertical claused top (PCVC) tank of Sintex/ Polycon/ Patton make over the stagging with manhole cover with locking and cleaning arrangement including providing pads of size as required for inlet and outlet pipes. (l) 2000- Lt Capacity (a) Sintex make	4	Each		
20	Labour for erecting and placing PCVC Tank over the stagging up to a height of 5.00m complete as directed (a) 2000 Litre capacity	4	Each		
21	Construction of Inspection pit inside measurement 450x450x450 mm flush with 100mm diameter HCl/PVC pipes and cement concrete base in prportion 1:3:6 over flat brick soling, 12cm brick wall in cement mortar in proportion 1:4 finished with 13mm cement plaster in proportion 1:2 in side wall and floor 450x450mm air tight C.I inspection pit cover and frame complete including supplying of materials, necessary excavation of pit as directed.	40	Each		
22	Supplying fitting and fixing pipes with all necessary fittings in exposed or in trenches including trenching and refilling the same etc complete as directed. B) uPVC pipe with uPVC fittings (Using SUPREME/PRINCE/SFMC/Fusion brad pipe) vi) 50mm (OD) diameter v) 40mm (OD) diameter iv) 32mm (OD) diameter	200.00 750.00 675.00	RM RM RM		
23	Supplying fitting and fixing check valve (non return valve) including thread to pipes. ii) 32mm diameter iii) 40mm diameter iv) 50mm diameter	45 15 5	Each Each Each		
24	Three Phase Submersible motor pump set (Texmo/Cromton/Aquatic/CRI/V-Guard/Calma make) suitable for 100 mm bore well and above 5 HP Stage 14 to 50 with MCB controlled submersible motor pump set control panel.	1	Each		
25	3 HP Three Phase Centrifugal monoblock pump set (Cromton Greaves/Aquatic/CRI/V-Guard/Calma make) 2900 rpm A class insulation with DOL Starter (Cromton Greaves/Control & Switch Gear/ BCH/ L&T/Siemens make).	1	Each		
<b>(C) Construction of Pump shed at 220 KV Samaguri GSS, AEGCL</b>					
26	Earth work in excavation for foundation trenches of walls retaining walls, footings of column, septic tank etc. including refilling the quantity as necessary after completion of work, breaking clods in return filling, dressing, watering and ramming etc. and removal of surplus earth with all lead and lifts as directed and specified. (b) In hard/ dense soil.	0.88	cum		
27	Plain cement concrete works with coarse aggregate of sizes 13mm to 32mm in foundation bed for footing steps, walls, brick works etc as directed and specified including dewatering if necessary, and curing complete (shuttering where necessary shall be measured and paid separately). (a) in prop 1:3:6	0.13	cum		

Sl. No.	Description of Item	Qty	Unit	Rate	Amount
28	Supplying, fitting and fixing in position reinforcement bars conforming to relevant IS code for R.C.C. work including straightening, cleaning, cutting and bending to proper shapes and length as per details, supplying and binding with 20 G annealed black wire and placing in position with proper blocks, supports, chairs, spacers etc. complete. (b) other I.S.I. approved TMT reinforcement bar (SRMB/SAI/BISCON/X TECH) ( for A.T building, drain works, retaining wall & boundary wall etc.) H.Y.S.D. bar. (c) I.S.I. approved Mild steel reinforcement bar (M.S. Bar).	1.41 0.48	Qtl Qtl		
29	Providing form work of ordinary timber planking so as to give a rough finish including centering, shuttering, strutting and propping etc., height of propping and centering below supporting floor to ceiling not exceeding 4.0 M and removal of the same for in-situ reinforced concrete and plain concrete work in: (ii) Using 25mm thick plank	18.99	Sqm		
30	Providing and laying Plain/Reinforced cement concrete works cement coarse sand & 20mm down graded stone aggregate including dewatering if necessary, and curing complete but excluding cost of form work and reinforcement for reinforced cement concrete works (shuttering where necessary shall be measured and paid separately). (i) Using Mixer Machine. (A) In substructure up to Foundation, footing, columns with base tie and plinth beam, pile cap, base slab, retaining walls, walls of septic tank, inspection pit and the like and other works not less than 100mm thick up to plinth level. N) Without using admixture, plasticizer. b) M-20 grade concrete	1.31	cum		
31	Earth/sand filling in plinth in layers not more than 150mm thick including necessary carriage, watering, ramming etc. complete as directed and specified including payment of land compensation, forest royalty, sale tax and other duties and taxes as may be necessary. b) With hill sand obtained by truck carriage loading and unloading and carriage to the site of work.	3.28	Cum		
32	Brick work in cement mortar with 1st class brick including racking out joints and curing complete as directed. (I) In substructure up to plinth level including dewatering if necessary. b) in prop. 1:4.	2.26	Cum		
33	1 <sup>st</sup> class brick nogged wall in cement mortar including racking out joints and curing complete as directed in super structure above plinth up to 1 <sup>st</sup> floor level (protruding M.S. rod/tor steel of column to be embedded in cement mortar and will be measured and paid separately) A) 112 mm thick brick	27.38	Sqm		
34	Providing fitting, hoisting and fixing of roof trusses including purlins fabricated using M.S. circular hollow section conforming to relevant I.S. code, as per approved design and drawings including providing M.S. cleats, base plates, bolts and nuts and one coat of red oxide Zinc Chromate primer and two coats of approved enamel paints complete including fitting necessary cleats etc. for fixing ceiling joists as per design and drawing as directed. (a) TATA make circular hollow section- CHS of grade YST-310 conforming to I.S. specification: 40mm dia	1.08	Qtl		
35	Providing corrugated galvenised iron sheet roofing of TATA SHAKTEE/SAIL including fitting and fixing necessary galvenised J or L hooks, bolts and nuts 8mm dia with bitumen washer 25mm dia x3mm thick and 1.6mm thick limpet washer complete excluding cost of roof truss, purlins etc. e) 0.63mm thick	14.00	Sqm		
36	Providing wood work in frame (chowkaths) of doors, windows, clerestory windows and other similar works wrought, framed and fixed in position in contact with C.C or brick masonry wall including supplying, fitting and fixing with M.S. hold fast (40mmx3mmx250mm) as per design embedded in cement concrete block in proportion 1:2:4 and with two coats of kiricide oiling to the timber faces in contact with C.C and masonry as directed and specified. (b) With 1st class timber (Hollock/ Sundi)	0.13	cum		
37	Providing fitting and fixing 1st class local wood (Bonsum/ Hollock) battened door and window shutters including oxidized iron butt hinges (100mmx58mmx1.90mm) 6nos with necessary screws. (a) Using Bonsum/Holok wood	4.20	Sqm		

Sl. No.	Description of Item	Qty	Unit	Rate	Amount
38	65 mm thick cement concrete floor consisting of 50mm under layer of cement concrete in prop 1:3:6 and 15mm thick wearing layer in cement concrete in prop 1:1:2 ( with 10 mm down aggregate) laid in panels and finished with a floating coat neat cement finish ( using cement slurry for bond @ 2.75 Kg/sqm of floor area) including curing etc. complete as directed.	5.00	Sqm		
39	15mm thick cement plaster in single coat on rough side of single or half brick wall for interior plastering up to 1st floor level including arises, internal rounded angles, not exceeding 80mm in girth and finished even and smooth including curing complete as directed.  (b) In proportion 1:4	56.35	Sqm		
40	Supplying, fitting and fixing anodized aluminium fittings of approved make, reasonably smooth, free sharp edges and corners, flaws and other defects and with counter sunk holes for screws including necessary aluminium screws etc. ( anodized to natural matt & stain finished.)  a) Sliding door bolt. ii) 250x16mm b) Tower bolt. iii) 200x12mm v) 100x10 mm c) Door handle 111) 150 mm	1 1 2 4	Each Each Each Each		
41	(n) n) Distempering two coats with oil bound distemper of approved brand and manufacture and of required shade on new wall surface to give an even shade, over and including a priming coat with alkali resistant primer of approved brand and manufacture after thoroughly brooming the surface free from mortar dropping and other foreign matter and also including preparing surface even and sand paper smooth. (i) priming coat with alkali resistant primer. (ii) Top coat	56.35 56.35	Sqm Sqm		
42	Applying priming coat over new wood based surfaces up to 100mm in girth/width after and including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter sand papering and knotting. (a) With ready mixed paint, wood primer (pink)	10.75	Sqm		
43	Painting two coats (excluding priming coat) on new wood and wood based surface with enamel paint of approved brand and manufacture (Asian paint/Berger paint/ ICI paint/ J&n paint/ Nerolac) to give an even shade including cleaning the surface of all dirt, dust and other foreign matter sand papering and stopping. (i) Surface over 100mm in width or girth. a)GENERAL PURPOSE (Asian paint/Berger paint/ ICI paint/ J&n paint/ Nerolac)	10.75	Sqm		
<b>(D) Construction of Staging for 4 nos. Sintex Water tank of 2000 litre capacity at 220KV Samaguri GSS, AEGCL.</b>					
44	Earthwork in excavation for foundation trenches of walls, retaining walls, footings of column, steps, septic tank etc. including refilling (return filling) the quantity as necessary after completion of work, breaking clods in return filling, dressing, watering and ramming etc. and removal of surplus earth with all lead and lifts as directed and specified in the following classification of soils including bailing out water where necessary as directed and specified. (A) Up to a depth of 2.00m below the existing ground level. (a) In ordinary soil	19.33	Cum		
45	Providing soling in foundation and under floor with stone/ best quality picked jhama brick, sand packed and laid to level and in panel after preparing the subgrade as directed including all labour and materials and if necessary dewatering, complete. (a).Brick on flat soling.	19.08	Sqm		
46	Plain cement concrete works with coarse aggregate of sizes 13mm to 32mm in foundation bed for footing steps, walls, brick works etc. as directed and specified including dewatering if necessary, and curing complete (shuttering where necessary shall be measured and paid separately).	0.97	Cum		
47	Supplying, fitting and fixing in position reinforcement bars conforming to relevant I.S. Code for R.C.C. work/ R.B. walling including straightening, cleaning, cutting and bending to proper shapes and length as per details, supplying and binding with 20G annealed black wire and placing in position with proper blocks, supports, chairs, spacers etc. complete. (No extra measurement for lap, hook, chair, anchor etc. will be entertained in the measurement as they are included in the rate) (Upto 1st floor level)  b) Other ISI approved TMT reinforcement bar (SAI/BISCON/THERMAX) (For Assam Type Bldg., drain works,,retaining wall&boundary wall etc. .	2.92	Qtl		

Sl. No.	Description of Item	Qty	Unit	Rate	Amount
48	Providing and laying plain/reinforced cement concrete works using cement, coarse sand & 20mm down graded stone aggregate with cost of necessary form work including dewatering if necessary, and curing for reinforced cement concrete work complete as directed (Reinforcement will be measured and paid separately) (A) In sub - structure up to plinth level Foundation, footing, columns with base tie and plinth beam, pile cap, base slab, retaining walls, walls of septic tank, inspection pit and the like and other works not less than 100mm thick up to plinth level. (a) M15 or Prop. 1:2:4	4.92	Cum		
49	Supplying fitting and fixing M.S. angles, M.S. flat, M.S. bolts and nuts including painting with red lead paint one coat complete as directed.				
	a) M. S. Angles.....80x80x8mm, 60x60x8mm (Inclind bar), Steps & Rail	20.70	Qtl		
	MS Steel cover for Slab & column template (10mm thick)	14.26	Qtl		
	c) M. S. bolts & nuts.....(20mm dia @2.47Kg/m)	0.71	Qtl		
<b>Total =</b>					

\*Note: The bidder has to mention if the rates are inclusive or exclusive of any taxes. If not mentioned, rates will be taken as inclusive of all taxes

Signature of Bidder