

Estimate For 10000MT Buffer Godown Civil & Electrical Works



B&F E&C LTD.

SL NO.	Description	Unit	Quantity to be done	Rate in BDT	Amount in BDT
1	Mobilization and Site Improvement & Facilities: Mobilization of equipment's, establishment of materials storage and site office & labor shade after clearing & grabbing, Site improvement & preparation diversion road, providing the peripheral Temporary fencing and other's utilities facilities. [Ref: As per PWD-2018]	Sqm.	15,334.57		-
2	Layout Fixatio: Layout providing center lines, local bench-mark pillars, leveling, ramming and preparing the base, fixing bamboo spikes and marking layout with chalk powder, providing necessary tools and plants and marking for earthwork in excavation in foundation as per direction of Engineer -In-Charge(EIC).[Ref: As per PWD-2018]	Sqm.	15,334.57		-
3	Land Development by Sand filling having F.M.0.5 to 0.8 in 150mm layers including leveling, watering and compaction to achieve minimum dry density of 90% with optimum moisture content (Modified proctor test) by ramming each layer up to finished level including the cost of testing etc. all complete and accepted by the Engineer. All materials must be approved from Engineer-in-charge before starting the work..[Ref: As per PWD-2018] 15 feet depth	Cum	70,093.46		-
4	Steel Structure of Godown				-
4.1	Pre-cast RCC Piling (350mm X350mm) Works including RCC, Reinforcement, driving[Ref: As per PWD-2018]50 rm	rm	1,372.00		-
4.2	Foundation Up to Plinth For Godown- Single Storied Foundation include the Footings/Pile cap, Pedestal, GB and Floor Slab for the total area prefab Steel Structure of Gadown. [Ref: As per PWD-2018]	Sqm.	8,200.37		-

4.3	Super Structure with 250mm Brick Enveloping of Godown : Pre-Fabrication Building for Godown Shade- Supply, fabricate and installation/Erection of total Steel Structure (Column, Rafter & Strut-Grade 50 and Purlin, Bracing & Girt - Grade 40) along with the Canopy & Ridge Monitor, 0.47mm Aluminum Alloy profile sheet Roofing insulated by Double Bubble insulation & wall cladding providing all accessories & anchor bolt fitting fixing with template including welding if required i/c all necessary labor, tools etc. as per Approved Design and instruction of Engineers in-charge.[Ref: As per PWD 2018]	Sqm.	8,446.38		-
5	Office Building d Accommodation and Ansar Barrack:				-
5.1	Three Storied RCC frame Structure Building's Foundation including the Footings/Pile cap. Pedestal, GB and Floor Slab Up to PL Works as per Schedule for Residential Building[Ref: As per PWD-2018] 2400 sft	Sqm.	223.00		-
5.2	Three Storied RCC frame Structure Building Including Super Structure, Enveloping and finishing Works as per Super Finish Schedule for Residential Building. [Ref: As per PWD-2018] Total 1200*2*3=7200 sft	Sqm.	669.00		-
5.3	One Storied Ansar Barrack's Foundation: Single Storied RCC frame Structure Building's Foundation including the Footings/Pile cap, Pedestal, GB and Floor Slab Up to PL Works as per Schedule for Residential Building.[Ref: As per PWD 2018] 3600sft	Sqm.	335.00		-
5.4	One Storied Ansar Barrack's Superstructure : Single Storied RCC frame Structure Building Including Super Structure, Enveloping and finishing Works as per Standard Finish Schedule for Residential Building. [Ref: As per PWD-2018]3600sft	Sqm.	335.00		-
6	Construction of Boundary Wall:				-
6.1	Pre-cast RCC Piling Works size (300mmX300mm) including RCC, Reinforcement, driving, testing:- for Boundary/Small Structure Ref: As per 13 Buffer Godown] 6M	RM.	1,012.00		-

6.2	Boundary Wall in RCC frame, 1.83M in height with Retaining wall: Above the Ground Construction of R.C.C of fe-19 MPa, minimum mix ratio (1: 2 4) boundary wall of height 1.83M above F.G.L with RCC column 250 mm X 250 mm size and Grade beam 450 mm X 250mm at F.G.L, 75 mm thick and 250 mm width R.C.C coping and 125 mm (1:4) brick work in between the columns, 12 mm thick cement plaster (1:6), in all exposed surface on both sides of the boundary wall including the cost of M.S rod and white washing etc. [Ref. As per PWD-2018]	RM.	506.00		-
6.3	Retaining wall @ RCC frame & Composite Structures nBelow the Ground Construction of R.C.C F'c=19Mpa, minimum mix ratio (1:2:4) minimum 1.5M-2.5M Retaining composite Wall below. F.G.Lwith RCC column 300 mm X 300 mm size from Foundation beam 300 mm X 750mm at footing level which is acting as pile Cap 250mm Brick wall providing weep hole and additional Tie Beam 300 mm X250mm at each 900am ht interval, 12 mm thick cement plaster (1:6) on the out sides of brick surface with NCF Including the cost of M.S rod and white washing Etc. [Ref As per PWD 2018]	RM.	506.00		-
6.4	450mm Barbed wire fencing over boundary wall: Supplying fitting and fixing 12 BWG barbed wire (2 ply, 4 points) in fencing work @150 mm c/c in bath horizontal and vertically, supported by 38 X 38 X6 mm MS angle post (300 mm embedded in RCC of fc- 19 MPa) in nominal mix 1: 2:4) 600 mm vertical and 450 mm inclined or as per requirement @ 2.4 m c/e including straightening, binding the joints with 18 EWG wire making holes in the angle etc. in /e supplying of all necessary materials complete in all respect and accepted by the Engineer. [Ref: As per PWD-2018]	RM.	506.00	887.00	
7	SECURITY POST of Pre-Fabricated Steel on RCC Frame: Supply, fabricate and installation/Erection of Security Post Steel Structure along with the Canopy &MS Steel Stair providing all Accessories & anchor bolt fitting fixing with template including all necessary labor, tools etc.as per Approved Design and instruction of Engineer-in-charge [Ref: As per PWD-2018]	Nos.	4.00		-
8	Frame Structured RCC Sub-station Building+ Guard Post Building	Sqm.	71.17		-
9	Road Work				-

9.1	Internal RCC Road all around the Godoen :- Construction of RCC Road (minimum f'_{cr} 30Mpa, and satisfying a specified compressive strength $f'_{c}= 25$ Mpa at 28 dys on standard cylinders, Crushed stone chips as Coarse aggregate, Cement content relates to mix ratio 1:1.5:3) with 250mm thick guide wall of height 0.30 meter, 150 mm thick R.C.C work over one layer 1st class brick flat soling and polythene sheet including the cost of reinforcement.(Ref: As per PWD-2018)	Sqm.	3,658.00		-
9.2	Approach Road:- 7.6M wide Access Road from the High Way or Adjacent Public Road-Construction of 38 mm thick compacted bituminous carpeted road over Compacted sub-base base course over with seal coat ,painting and compacted Embankment fill Protected by Guide Wall and 750mm RCC pipe installation underneath the access road for crossing the water(for 30m).[Ref:As per PWD-2018]	RM.	30.00	84,139.36	2,524,181
10	Drainage System for the Complex and Apron:				-
10.1	Perimeter RCC Storm Drain: Constructing Storm Water U-drain of 1050 mm ave. depth and 600 mm clear width having 125 mm thick RCC (1:2:4) Wall over one layer of polythene on top brick flat soling and minimum 12 mm thick cement sand (F.M. 1.2) plaster (1:3) including neat cement finishing the surfaces, curing at least for 7 days including excavation of all kinds of soil, back filling with fine sand (F.M. 0.8) consolidating and dressing, including cost of water, electricity, other charges etc. complete and accepted by the Engineer. [Ref: As per PWD-2018]	RM.	506.00		-

10.2	<p>Surface Drain:- Constructing Surface Drain of 600 mm (av.) depth and 225 mm clear width at the bottom and 525 mm at the top having 125 mm thick cement concrete (1:2:4) curb up to 300 mm from the bottom over one layer of polythene on top brick flat soling and the side slopes of the remaining 300 mm height provided with 125 mm thick first class brick work in cement mortar (1:6) including minimum 12 mm thick cement sand (F.M. i2) plaster (1:3) including neat cement finishing the surfaces and back of the drain up to 150 mm below ground level with fresh cement curing at least for 7 days including excavation of all kinds of soil, back filling with fine sand (F.M. 0.8) consolidating and dressing, including cost of water, electricity, other charges etc. completed and accepted by the Engineer. [Ref: As per PWD-2018]</p>	RM.	385.00		-
10.3	<p>Apron/Plinth Protection:- Along the periphery of building needs to construct 50mm thick & 600mm width plinth protection Providing apron of cement concrete (1:2:4) with cement, coarse sand and picked jhama chips 10.3 including breaking chips and one layer brick flat soling at bottom with first class or picked jhama bricks including cutting earth for preparation of bed and filling the interstices with local sand (F.M. 0.8) including finishing, dressing, curing at least for 7 days etc all complete including cost of water, electricity, other charges accepted by the Engineer. [Ref: As per PWD-2018]</p>	Sqm.	285.00		-
11	Utility Facilities:				-
11.1	<p>Water Supply, SANITARY AND PLUMBING WORKS for office building Supply, fitting & fixing of Sanitary Fixture & 11.1 fittings (Local brand) and high quality Plumbing materials with other fittings etc. all complete water supply, soil & waste water discharge and Rain water system. [Ref: As per PWD-2018]</p>	Sqm.	669.00		-
11.2	<p>Water Supply, SANITARY AND PLUMBING WORKS for Ansar barak Supply, fitting & fixing of Sanitary Fixture & 11.2 fittings (Local brand) and high quality Plumbing materials with other fittings etc. all complete water supply, soil & waste water discharge and Rain water system. [Ref: As per PWD-2018]</p>	Sqm.	335.00		-

11.3	<p>Septic Tank: Construction of Septic Tank for 100 Users with 250mm brick work in cement mortar (1:6) of the walls as per approved plan over a brick flat soling and 150 mm thick reinforced cement concrete flooring (1:2:4) with 125 mm thick walls in 11.3 partition and 12 mm thick cement plaster (1:4) with N.C.F. to insides of walls on floor and providing 450 mm dia water sealed heavy type C.I. manhole cover with locking/unlocking arrangement and 100 mm thick R.C.C (1:2:4) top slab etc. all complete as per approved by the Engineer. [Ref: As per PWD-2018]</p>	Each	1.00		-
11.4	<p>Soak Well:- Construction of soak well for 100 users with 250 mm thick solid brick work and 250 mm honey comb brick work with cement mortar (1:6) as per design over R.C.C. (1:2:4) well curb with 1% reinforcement up to the depth as per drawing with 450 mm dia water sealed heavy type. C.I. manhole cover with locking arrangement, filling the well up to the required depth with graded khoa and sand etc. all complete as per drawing, design approved by the Engineer.[Ref: As per PWD-2018]</p>	Each	1.00		-
12	Miscellaneous Works				-
12.1	<p>Deep Tube-well:- Complete-boring and installation--150mmdia UPVC tube well Fixture such as expended top pipes reducer, RFL/National Polymer 150mm dia uPVC pipe of wall thickness of 6.6 mm tube well pipe, strainer(20m length), blind pipe ,and pipe 12.1 cap etc. fitting and fixing with best quality Upvc solution ,iron screws, and UPVC tape and placing in position with 2 HP sub marsible (one) pump padrolo (Made in Italy) including required length and size inner uPVC pipe and galvanized weir, fitting the pump and delivery pipe including all materials and borehole filling the crushing stone chips,and direction of the Consultant .[Ref: As per PWD-2018]</p>	RM.	230.00		-
12.2	<p>Under ground water Reservoir:- Construction of Minimum 2.43MX5MX2.5m Under ground water tank for water supply to the factory complex.[Ref: As per PWD-2018]</p>	each	1.00		-

12.3	RCC Pipe Works for Drain Connection:- Supplying, laying, fitting and best quality fixing 300 mm dia (internal) machine made R.C.C. pipe Over 100 mm thick cement concrete (1:3:6) at base and sides including single brick flat soling and gasket with cement mortar (1:4) joints, cutting and filling trenches up to required depth including excavation of soil etc. all complete in all respects as per type plan and accepted by the Engineer (average depth of trench is 3'-6"). [Ref: As per PWD-2018]	RM.	421.67		-
12.4	MS Grating on RCC Drain:- Supply & Installation MS Grating made of 38X38mmX4mm MS Angle & 25mmX6mm MS fiat bar@25mm cic as RCC Drain cover.[Ref: AS per PWD-2018]	RM.	506.00		-
12.5	MS Steel swing Gate: 2.43m height Entrance Steel Swing Gate with combination of Square MS Hollow Box and SS Box /Pipe/Sheet i/c adequate support & colored by Enamel Paint (Spray) as per approved Layout/Design. [Ref: As per PWD-2018]	Sqm.	14.58		-
12.6	Landscaping :- with exclusive type providing the flower vase/plantation bed with esthetic view in between alternate grid, all complete. [Ref. As per PWD-2018]	Sqm.	105.00		-
12.7	Interlocking Paving Pathway: Supplying and placing of 60 mm thick colored Uni-Block/interlocking paving tiles for paving major walk way, car porch having compressive strength of 49 N/mm ² on compacted sand bed of 50 mm on stabilized soil base.[Ref: As per PWD-2018]	Sqm.	255.00		-
12.8	RCC Casting at Valley Gutter: Smooth Finish ave. 75mm Thick RCC Casting (1:2:4) with temperature reinforcement & stand nuts at valley gutter on MS Gutter Sheet to facilitate the waterproof and proper slop with sealed water way.[Ref: As per PWD-2018]	Cum.	26.59		-
Total Civil Work=					
13	Godown, building, Ansar barak and others Supply, fitting & fixing of MDB to SDB (ABB), internal conceal wiring (BBS/BRB) and switch (Legrend/ABB) board and fan & electrical point as well as internal electrical system as per full satisfaction of the Authority.(Ref: As per PWD-2018)	Sqm.	15,334.57		-
Total Electrical Work=					
Total Civil+Electrical Work=					

Estimate For 15000MT Buffer Godown Civil & Electrical Works

SL NO.	Description	Unit	Quantity to be done	Rate in BDT	Amount in BDT
1	Mobilization and Site Improvement & Facilities: Mobilization of equipment's, establishment of materials storage and site office & labor shade after clearing& grabbing, Site improvement & preparation diversion road, providing the peripheral Temporary fencing and other's utilities facilities. [Ref: As per PWD-2018]	Sqm.	21,302.51		-
2	Layout Fixation: Layout providing center lines, local bench-mark pillars, leveling, ramming and preparing the base, fixing bamboo spikes and marking layout with chalk powder, providing necessary tools and plants and marking for earthwork in excavation in foundation as per direction of Engineer -In-Charge(EIC).[Ref: As per PWD-2018]	Sqm.	21,302.51		-
3	Land Development by Sand filling having F.M. 0.5 to 0.8 in 150mm layers including leveling, watering and compaction to achieve minimum dry density of 90% with optimum moisture content (Modified proctor test) by ramming each layer up to finished level including the cost of testing etc. all complete and accepted by the Engineer. All materials must be approved from Engineer-in-charge before starting the work..[Ref: As per PWD-2018] 15 feet depth	Cum	97,372.56		-
4	Steel Structure of Godown				-
4.1	Pre-cast RCC Piling (350mm X350mm) Works including RCC, Reinforcement, driving[Ref: As per PWD-20181]	rm	2,058.00		-
4.2	Foundation Up to Plinth For Godown- Single Storied Foundation include the Footings/Pile cap, Pedestal, GB and Floor Slab for the total area prefab Steel Structure of Gadown. [Ref: As per PWD-2018]	Sqm.	12,300.00		-

4.3	Super Structure with 250mm Brick Enveloping of Godown : Pre-Fabrication Building for Godown Shade- Supply, fabricate and installation/Erection of total Steel Structure (Column, Rafter & Strut-Grade 50 and Purlin, Bracing & Girt - Grade 40) along with the Canopy & Ridge Monitor, 0.47mm Aluminum Alloy profile sheet Roofing insulated by Double Bubble insulation & wall cladding providing all accessories & anchor bolt fitting fixing with template including welding if required i/c all necessary labor, tools etc. as per Approved Design and instruction of Engineers in-charge.[Ref: As per PWD 2018]	Sqm.	12,669.57		-
5	Office Building d Accommodation and Anasr Barrack:				-
5.1	Three Storied RCC frame Structure Building's Foundation including the Footings/Pile cap. Pedestal, GB and Floor Slab Up to PL Works as per Schedule for Residential Building[Ref: As per PWD-2018]2400 sft	Sqm.	223.00		-
5.2	Three Storied RCC frame Structure Building Including Super Structure, Enveloping and finishing Works as per Super Finish Schedule for Residential Building. [Ref: As per PWD-2018]Total 1200*2*3=7200 sft	Sqm.	669.00		-
5.3	One Storied Anasr Barrack's Foundation: Single Storied RCC frame Structure Building's Foundation including the Footings/Pile cap, Pedestal, GB and Floor Slab Up to PL Works as per Schedule for Residential Building.[Ref: As per PWD 2018] 3600sft	Sqm.	335.00		-
5.4	One Storied Anasr Barrack's Superstructure : Single Storied RCC frame Structure Building Including Super Structure, Enveloping and finishing Works as per Standard Finish Schedule for Residential Building. [Ref: As per PWD-2018]3600sft	Sqm.	335.00		-
6	Construction of Boundary Wall:				-
6.1	Pre-cast RCC Piling Works size (300mmX300mm) including RCC, Reinforcement, driving, testing:- for Boundary/Small Structure Ref: As per 13 BufferGodown]	RM.	1,180.00		-

6.2	Boundary Wall in RCC frame, 1.83M in height with Retaining wall: Above the Ground Construction of R.C.C of fe-19 MPa, minimum mix ratio (1: 2 4) boundary wall of height 1.83M above F.G.L with RCC column 250 mm X 250 mm size and Grade beam 450 mm X 250mm at F.G.L, 75 mm thick and 250 mm width R.C.C coping and 125 mm (1:4) brick work in between the columns, 12 mm thick cement plaster (1:6), in all exposed surface on both sides of the boundary wall including the cost of M.S rod and white washing etc.[Ref. As per PWD-2018]	RM.	590.00		-
6.3	Retaining wall @ RCC frame & Composite Structures Below the Ground Construction of R.C.C F'c=19Mpa, minimum mix ratio (1:2:4) minimum 1.5M-2.SM Retaining composite Wall below. F.G.Lwith RCC column 300 mm X 300 mm size from Foundation beam 300 mm X 750mm at footing level which is acting as pile Cap 250mm Brick wall providing weep hole and additional Tie Beam 300 mm X250mm at each 900am ht interval, 12 mm thick cement plaster (1:6) on the out sides of brick surface with NCF Including the cost of M.S rod and white washing Etc. [Ref As per PWD2018]	RM.	590.00		-
6.4	450mm Barbed wire fencing over boundary wall: Supplying fitting and fixing 12 BWG barbed wire (2 ply, 4 points) in fencing work @150 mm c/c in bath horizontal and vertically, supported by 38 X 38 X6 mm MS angle post (300 mm embedded in RCC of fc- 19 MPa) in nominal mix 1: 2:4) 600 mm vertical and 450 mm inclined or as per requirement @ 2.4 m c/e including straightening, binding the joints with 18 EWG wire making holes in the angle etc. in /e supplying of all necessary materials complete in all respect and accepted by the Engineer. [Ref: As per PWD-2018]	RM.	590.00		-
7	SECURITY POST of Pre-Fabricated Steel on RCC Frame: Supply, fabricate and installation/Erection of Security Post Steel Structure along with the Canopy &MS Steel Stair providing all Accessories & anchor bolt fitting fixing with template including all necessary labor, tools etc.as per Approved Design and instruction of Engineer-in-charge [Ref: As per PWD-2018]	Nos.	4.00	220,379.83	881,519

8	Frame Structured RCC Sub-station Building+ Guard Post Building	Sqm.	71.17		-
9	Road Work				-
9.1	Internal RCC Road all around the Godown :-Construction of RCC Road (minimum f'_{cr} 30Mpa, and satisfying a specified compressive strength $f'_{c}= 25$ Mpa at 28 dys on standard cylinders, Crushed stone chips as Coarse aggregate, Cement content relates to mix ratio 1:1.5:3) with 250m thick guide wall of height 0.30 meter, 150 mm thick R.C.C work over one layer 1 st class brick flat soling and polythene sheet including the cost of reinforcement.(Ref: As per PWD-2018)	Sqm.	5,487.00		-
9.2	Approach Road:- 7.6M wide Access Road from the High Way or Adjacent Public Road-Construction of 38 mm thick compacted bituminous carpeted road over Compacted sub-base base course over with seal coat ,painting and compacted Embankment fill Protected by Guide Wall and 750mm RCC pipe installation underneath the access road for crossing the water(for 30rm).[Ref:As per PWD-2018]	RM.	30.00		-
10	Drainage System for the Complex and Apron:				-
10.1	Perimeter RCC Storm Drain: Constructing Strom Water U-drain of 1050 mm ave. depth and 600 mm clear width having 125 mm thick RCC (1:2:4) Wall over one layer of polythene on top brick flat soling and minimum 12 mm thick cement sand (F.M. 1.2) plaster (1:3) including neat cement finishing the surfaces, curing at least for 7 days including excavation of all kinds of soil, back filling with fine sand (F.M. 0.8) consolidating and dressing, including cost of water, electricity, other charges etc. complete and accepted by the Engineer. [Ref: As per PWD-2018]	RM.	590.00		-

10.2	<p>Surface Drain:- Constructing Surface Drain of 600 mm (av.) depth and 225 mm clear width at the bottom and 525 mm at the top having 125 mm thick cement concrete (1:2:4) curb up to 300 mm from the bottom over one layer of polythene on top brick flat soling and the side slopes of the remaining 300 mm height provided with 125 mm thick first class brick work in cement mortar (1:6) including minimum 12 mm thick cement sand (F.M. i2) plaster (1:3) including neat cement finishing the surfaces and back of the drain up to 150 mm below ground level with fresh cement curing at least for 7 days including excavation of all kinds all kinds of soil, back filling with fine sand (F.M. 0.8) consolidating and dressing, including cost of water, electricity, other charges etc. completed and accepted by the Engineer. [Ref: As per PWD-2018]</p>	RM.	577.50		-
10.3	<p>Apron/Plinth Protection:- Along the periphery of building needs to construct 50mm thick & 600mm width plinth protection Providing apron of cement concrete (1:2:4) with cement, coarse sand and picked jhama chips 10.3 including breaking chips and one layer brick flat soling at bottom with first class or picked jhama bricks including cutting earth for preparation of bed and filling the interstices with local sand (F.M. 0.8) including finishing, dressing, curing at least for 7 days etc all complete including cost of water, electricity, other charges accepted by the Engineer. [Ref: As per PWD-2018]</p>	Sqm.	427.50		-
11	Utility Facilities:				-
11.1	<p>Water Supply, SANITARY AND PLUMBING WORKS for office building Supply, fitting & fixing of Sanitary Fixture & 11.1 fittings (Local brand) and high quality Plumbing materials with other fittings etc. all complete water supply, soil & waste water discharge and Rain water system. [Ref: As per PWD-2018]</p>	Sqm.	669.00		-
11.2	<p>Water Supply, SANITARY AND PLUMBING WORKS for Ansar barak Supply, fitting & fixing of Sanitary Fixture & 11.2 fittings (Local brand) and high quality Plumbing materials with other fittings etc. all complete water supply, soil & waste water discharge and Rain water system. [Ref: As per PWD-2018]</p>	Sqm.	335.00		-

11.3	<p>Septic Tank: Construction of Septic Tank for 100 Users with 250mm brick work in cement mortar (1:6) of the walls as per approved plan over a brick flat soling and 150 mm thick reinforced cement concrete flooring (1:2:4) with 125 mm thick walls in 11.3 partition and 12 mm thick cement plaster (1:4) with N.C.F. to insides of walls on floor and providing 450 mm dia water sealed heavy type C.I. manhole cover with locking/unlocking arrangement and 100 mm thick R.C.C (1:2:4) top slab etc. all complete as per approved by the Engineer. [Ref: As per PWD-2018]</p>	Each	1.00		-
11.4	<p>Soak Well:- Construction of soak well for 100 users with 250 mm thick solid brick work and 250 mm honey comb brick work with cement mortar (1:6) as per design over R.C.C. (1:2:4) well curb with 1% reinforcement up to the depth as per drawing with 450 mm dia water sealed heavy type. C.I. manhole cover with locking arrangement, filling the well up to the required depth with graded khoa and sand etc. all complete as per drawing, design approved by the Engineer.[Ref: As per PWD-2018]</p>	Each	1.00		-
12	Miscellaneous Works				-
12.1	<p>Deep Tube-well:- Complete-boring and installation--150mmdia UPVC tube well Fixture such as expended top pipes reducer, RFL/National Polymer 150mm dia uPVC pipe of wall thickness of 6.6 mm tube well pipe, strainer(20m length), blind pipe ,and pipe 12.1 cap etc. fitting and fixing with best quality Upvc solution ,iron screws, and UPVC tape and placing in position with 2 HP sub marsible (one) pump padrolo (Made in Italy) including required length and size inner uPVC pipe and galvanized weir, fitting the pump and delivery pipe including all materials and borehole filling the crushing stone chipes ,and direction of the Consultant .[Ref: As per PWD-2018]</p>	RM.	230.00		-
12.2	<p>Under ground water Reservoir:- Construction of Minimum 2.43MX5MX2.5m Under ground water tank for water supply to the factory complex.[Ref: As per PWD-2018]</p>	each	1.00		-

12.3	RCC Pipe Works for Drain Connection:- Supplying, laying, fitting and best quality fixing 300 mm dia (internal) machine made R.C.C. pipe Over 100 mm thick cement concrete (1:3:6) at base and sides including single brick flat soling and gasket with cement mortar (1:4) joints, cutting and filling trenches up to required depth including excavation of soil etc. all complete in all respects as per type plan and accepted by the Engineer (average depth of trench is 3'-6"). [Ref: As per PWD-2018]	RM.	491.67		-
12.4	MS Grating on RCC Drain:- Supply & Installation MS Grating made of 38X38mmX4mm MS Angle & 25mmX6mm MS fiat bar@25mm cic as RCC Drain cover.[Ref: AS per PWD-2018]	RM.	590.00		-
12.5	MS Steel swing Gate: 2.43m height Entrance Steel Swing Gate with combination of Square MS Hollow Box and SS Box /Pipe/Sheet i/c adequate support & colored by Enamel Paint (Spray) as per approved Layout/Design. [Ref: As per PWD-2018]	Sqm.	14.58		-
12.6	Landscaping :- exclusive type providing the flower vase/ plantation bed with esthetic view in between alternate grid, all complete. [Ref. As per PWD- 2018]	Sqm.	105.00		-
12.7	Interlocking Paving Pathway: Supplying and placing of 60 mm thick colored Uni-Block/interlocking paving tiles for paving major walk way, car porch having compressive strength of 49 N/mm2 on compacted sand bed of 50 mm on stabilized soil base.[Ref: As per PWD-2018]	Sqm.	255.00		-
12.8	RCC Casting at Valley Gutter: Smooth Finish ave. 75mm Thick RCC Casting (1:2:4) with temperature reinforcement & stand nuts at valley gutter on MS Gutter Sheet to facilitate the waterproof and proper slop with sealed water way.[Ref: As per PWD-2018]	Cum.	39.88		-
Total Civil Work=					
13	Godown, building, Ansar barak and others Supply, fitting & fixing of MDB to SDB (ABB), internal conceal wiring (BBS/BRB) and switch (Legrend/ABB) board and fan & electrical point as well as internal electrical system as per full satisfaction of the Authority.(Ref: As per PWD-2018]	Sqm.	21,302.51		-
Total Electrical Work=					
Total Civil+Electrical Work=					

Estimate For 20000MT Buffer Godown Civil & Electrical Works

SL NO.	Description	Unit	Quantity to be done	Rate in BDT	Amount in BDT
1	Mobilization and Site Improvement & Facilities: Mobilization of equipment's, establishment of materials storage and site office & labor shade after clearing& grabbing, Site improvement & preparation diversion road, providing the peripheral Temporary fencing and other's utilities facilities.[Ref: As per PWD-2018]	Sqm.	24,167.29		-
2	Layout Fixation: Layout providing center lines, local bench-mark pillars, leveling, ramming and preparing the base, fixing bamboo spikes and marking layout with chalk powder, providing necessary tools and plants and marking for earthwork in excavation in foundation as per direction of Engineer -In-Charge(EIC).[Ref: As per PWD-2018]	Sqm.	24,167.29		-
3	Land Development by Sand filling having F.M. 0.5 to 0.8 in 150mm layers including leveling, watering and compaction to achieve minimum dry density of 90% with optimum moisture content (Modified proctor test) by ramming each layer up to finished level including the cost of testing etc. all complete and accepted by the Engineer. All materials must be approved from Engineer-in-charge before starting the work..[Ref: As per PWD-2018] 15 feet depth	Cum	110,467.30		-
4	Steel Structure of Godown				-
4.1	Pre-cast RCC Piling (350mm X350mm) Works including RCC, Reinforcement, driving[Ref: As per PWD-2018]50 m	rm	2,744.00		-
4.2	Foundation Up to Plinth For Godown-Single Storied Foundation include the Footings/Pile cap, Pedestal, GB and Floor Slab for the total area prefab Steel Structure of Gadown. [Ref: As per PWD-2018]	Sqm.	16,400.00		-

4.3	Super Structure with 250mm Brick Enveloping of Godown : Pre-Fabrication Building for Godown Shade- Supply, fabricate and installation/Erection of total Steel Structure (Column, Rafter & Strut-Grade 50 and Purlin, Bracing & Girt - Grade 40) along with the Canopy & Ridge Monitor, 0.47mm Aluminum Alloy profile sheet Roofing insulated by Double Bubble insulation & wall cladding providing all accessories & anchor bolt fitting fixing with template including welding if required i/c all necessary labor, tools etc. as per Approved Design and instruction of Engineers in-charge.[Ref: As per PWD 2018]	Sqm.	16,892.76		-
5	Office Building d Accommodation and Ansar Barrack:				-
5.1	Three Storied RCC frame Structure Building's Foundation including the Footings/Pile cap. Pedestal, GB and Floor Slab Up to PL Works as per Schedule for Residential Building[Ref: As per PWD-2018] 2400 sft	Sqm.	223.00		-
5.2	Three Storied RCC frame Structure Building Including Super Structure, Enveloping and finishing Works as per Super Finish Schedule for Residential Building. [Ref: As per PWD-2018] Total 1200*2*3=7200 sft	Sqm.	669.00		-
5.3	One Storied Ansar Barrack's Foundation: Single Storied RCC frame Structure Building's Foundation including the Footings/Pile cap, Pedestal, GB and Floor Slab Up to PL Works as per Schedule for Residential Building.[Ref: As per PWD 2018] 3600sft	Sqm.	335.00		-
5.4	One Storied Ansar Barrack's Superstructure : Single Storied RCC frame Structure Building Including Super Structure, Enveloping and finishing Works as per Standard Finish Schedule for Residential Building. [Ref: As per PWD-2018]3600sft	Sqm.	335.00		-
6	Construction of Boundary Wall:				-
6.1	Pre-cast RCC Piling Works size (300mmX300mm) including RCC, Reinforcement, driving, testing:- for Boundary/Small Structure Ref: As per 13 BufferGodown]	RM.	1,364.00		-

6.2	Boundary Wall in RCC frame, 1.83M in height with Retaining wall: Above the Ground Construction of R.C.C of fe-19 MPa, minimum mix ratio (1: 2 4) boundary wall of height 1.83M above F.G.L with RCC column 250 mm X 250 mm size and Grade beam 450 mm X 250mm at F.G.L, 75 mm thick and 250 mm width R.C.C coping and 125 mm (1:4) brick work in between the columns, 12 mm thick cement plaster (1:6), in all exposed surface on both sides of the boundary wall including the cost of M.S rod and white washing etc.[Ref. As per PWD-2018]	RM.	682.00		-
6.3	Retaining wall @ RCC frame & Composite Structures Below the Ground Construction of R.C.C F'c=19Mpa, minimum mix ratio (1:2:4) minimum 1.5M-2.5M Retaining composite Wall below. F.G.Lwith RCC column 300 mm X 300 mm size from Foundation beam 300 mm X 750mm at footing level which is acting as pile Cap 250mm Brick wall providing weep hole and additional Tie Beam 300 mm X250mm at each 900mm ht interval, 12 mm thick cement plaster (1:6) on the out sides of brick surface with NCF Including the cost of M.S rod and white washing Etc. [Ref As per PWD2018]	RM.	682.00		-
6.4	450mm Barbed wire fencing over boundary wall: Supplying fitting and fixing 12 BWG barbed wire (2 ply, 4 points) in fencing work @ 150 mm c/c in both horizontal and vertically, supported by 38 X 38 X6 mm MS angle post (300 mm embedded in RCC of fc- 19 MPa) in nominal mix 1: 2:4) 600 mm vertical and 450 mm inclined or as per requirement @ 2.4 m c/e including straightening, binding the joints with 18 EWG wire making holes in the angle etc. in /e supplying of all necessary materials complete in all respect and accepted by the Engineer. [Ref: As per PWD-2018]	RM.	682.00	887.00	604,934
7	SECURITY POST of Pre-Fabricated Steel on RCC Frame: Supply, fabricate and installation/Erection of Security Post Steel Structure along with the Canopy &MS Steel Stair providing all Accessories & anchor bolt fitting fixing with template including all necessary labor, tools etc.as per Approved Design and instruction of Engineer-in-charge [Ref: As per PWD-2018]	Nos.	4.00	220,379.83	881,519

8	Frame Structured RCC Sub-station Building+ Guard Post Building	Sqm.	71.17	21,510.84	1,530,926
9	Road Work				-
9.1	Internal RCC Road all around the Godown :-Construction of RCC Road (minimum f'cr 30Mpa, and satisfying a specified compressive strength f'c= 25 Mpa at 28 dys on standard cylinders, Crushed stone chips as Coarse aggregate, Cement content relates to mix ratio 1:1.5:3) with 250mm thick guide wall of height 0.30 meter, 150 mm thick R.C.C work over one layer 1 st class brick flat soling and polythene sheet including the cost of reinforcement.(Ref: As per PWD-2018)	Sqm.	7,316.00		-
9.2	Approach Road:- 7.6M wide Access Road from the High Way or Adjacent Public Road-Construction of 38 mm thick compacted bituminous carpeted road over Compacted sub-base base course over with seal coat ,painting and compacted Embankment fill Protected by Guide Wall and 750mm RCC pipe installation underneath the access road for crossing the water(for 30m).[Ref:As per PWD-2018]	RM.	30.00		-
10	Drainage System for the Complex and Apron:				-
10.1	Perimeter RCC Storm Drain: Constructing Strom Water U-drain of 1050 mm ave. depth and 600 mm clear width having 125 mm thick RCC (1:2:4) Wall over one layer of polythene on top brick flat soling and minimum 12 mm thick cement sand (F.M. 1.2) plaster (1:3) including neat cement finishing the surfaces, curing at least for 7 days including excavation of all kinds of soil, back filling with fine sand (F.M. 0.8) consolidating and dressing, including cost of water, electricity, other charges etc. complete and accepted by the Engineer. [Ref: As per PWD-2018]	RM.	682.00		-

10.2	<p>Surface Drain:- Constructing Surface Drain of 600 mm (av.) depth and 225 mm clear width at the bottom and 525 mm at the top having 125 mm thick cement concrete (1:2:4) curb up to 300 mm from the bottom over one layer of polythene on top brick flat soling and the side slopes of the remaining 300 mm height provided with 125 mm thick first class brick work in cement mortar (1:6) including minimum 12 mm thick cement sand (F.M. i2) plaster (1:3) including neat cement finishing the surfaces and back of the drain up to 150 mm below ground level with fresh cement curing at least for 7 days including excavation of all kinds all kinds of soil, back filling with fine sand (F.M. 0.8) consolidating and dressing, including cost of water, electricity, other charges etc. completed and accepted by the Engineer. [Ref: As per PWD-2018]</p>	RM.	770.00		-
10.3	<p>Apron/Plinth Protection:- Along the periphery of building needs to construct 50mm thick & 600mm width plinth protection Providing apron of cement concrete (1:2:4) with cement, coarse sand and picked jhama chips 10.3 including breaking chips and one layer brick flat soling at bottom with first class or picked jhama bricks including cutting earth for preparation of bed and filling the interstices with local sand (F.M. 0.8) including finishing, dressing, curing at least for 7 days etc all complete including cost of water, electricity, other charges accepted by the Engineer. [Ref: As per PWD-2018]</p>	Sqm.	427.50	832.00	355,680
11	Utility Facilities:				-
11.1	<p>Water Supply, SANITARY AND PLUMBING WORKS for office building Supply, fitting & fixing of Sanitary Fixture & 11.1 fittings (Local brand) and high quality Plumbing materials with other fittings etc. all complete water supply, soil & waste water discharge and Rain water system. [Ref: As per PWD-2018]</p>	Sqm.	669.00		-
11.2	<p>Water Supply, SANITARY AND PLUMBING WORKS for Ansar barak Supply, fitting & fixing of Sanitary Fixture & 11.2 fittings (Local brand) and high quality Plumbing materials with other fittings etc. all complete water supply, soil & waste water discharge and Rain water system. [Ref: As per PWD-2018]</p>	Sqm.	335.00		-

11.3	<p>Septic Tank: Construction of Septic Tank for 100 Users with 250mm brick work in cement mortar (1:6) of the walls as per approved plan over a brick flat soling and 150 mm thick reinforced cement concrete flooring (1:2:4) with 125 mm thick walls in 11.3 partition and 12 mm thick cement plaster (1:4) with N.C.F. to insides of walls on floor and providing 450 mm dia water sealed heavy type C.I. manhole cover with locking/unlocking arrangement and 100 mm thick R.C.C (1:2:4) top slab etc. all complete as per approved by the Engineer. [Ref: As per PWD-2018]</p>	Each	1.00		-
11.4	<p>Soak Well:- Construction of soak well for 100 users with 250 mm thick solid brick work and 250 mm honey comb brick work with cement mortar (1:6) as per design over R.C.C. (1:2:4) well curb with 1% reinforcement up to the depth as per drawing with 450 mm dia water sealed heavy type. C.I. manhole cover with locking arrangement, filling the well up to the required depth with graded khoa and sand etc. all complete as per drawing, design approved by the Engineer.[Ref: As per PWD-2018]</p>	Each	1.00		-
12	Miscellaneous Works				-
12.1	<p>Deep Tube-well:- Complete-boring and installation--150mmdia UPVC tube well Fixture such as expended top pipes reducer, RFL/National Polymer 150mm dia uPVC pipe of wall thickness of 6.6 mm tube well pipe, strainer(20m length), blind pipe ,and pipe 12.1 cap etc. fitting and fixing with best quality Upvc solution ,iron screws, and UPVC tape and placing in position with 2 HP sub marsible (one) pump padrolo (Made in Italy) including required length and size inner uPVC pipe and galvanized weir, [fitting the pump and delivery pipe including all materials and borehole filling the crushing stone chipes ,and direction of the Consultant .[Ref: As per PWD-2018]</p>	RM.	230.00		-
12.2	<p>Under ground water Reservoir:- Construction of Minimum 2.43MX5MX2.5m Under ground water tank for water supply to the factory complex.[Ref: As per PWD-2018]</p>	each	1.00		-

12.3	RCC Pipe Works for Drain Connection:- Supplying, laying, fitting and best quality fixing 300 mm dia (internal) machine made R.C.C. pipe Over 100 mm thick cement concrete (1:3:6) at base and sides including single brick flat soling and gasket with cement mortar (1:4) joints, cutting and filling trenches up to required depth including excavation of soil etc. all complete in all respects as per type plan and accepted by the Engineer (average depth of trench is 3'-6"). [Ref: As per PWD-2018]	RM.	568.33		-
12.4	MS Grating on RCC Drain:- Supply & Installation MS Grating made of 38X38mmX4mm MS Angle & 25mmX6mm MS fiat bar@25mm cic as RCC Drain cover.[Ref: AS per PWD-2018]	RM.	682.00		-
12.5	MS Steel swing Gate: 2.43m height Entrance Steel Swing Gate with combination of Square MS Hollow Box and SS Box /Pipe/Sheet i/c adequate support & colored by Enamel Paint (Spray) as per approved Layout/Design. [Ref: As per PWD-2018]	Sqm.	14.58		-
12.6	Landscaping :- exclusive type providing the flower vase/ plantation bed with esthetic view in between alternate grid, all complete. [Ref. As per PWD- 2018]	Sqm.	105.00		-
12.7	Interlocking Paving Pathway: Supplying and placing of 60 mm thick colored Uni-Block/interlocking paving tiles for paving major walk way, car porch having compressive strength of 49 N/mm ² on compacted sand bed of 50 mm on stabilized soil base.[Ref: As per PWD-	Sqm.	255.00		-
12.8	RCC Casting at Valley Gutter: Smooth Finish ave. 75mm Thick RCC Casting (1:2:4) with temperature reinforcement & stand nuts at valley gutter on MS Gutter Sheet to facilitate the waterproof and proper slop with sealed water way.[Ref: As per PWD-2018]	Cum.	53.18		-
Total Civil Work=					
13	Godown, building, Ansar barak and others Supply, fitting & fixing of MDB to SDB (ABB), internal conceal wiring (BBS/BRB) and switch (Legrend/ABB) board and fan & electrical point as well as internal electrical system as per full satisfaction of the Authority.(Ref: As per PWD-2018]	Sqm.	24,167.29		-
Total Electrical Work=					-
Total Civil+Electrical Work=					-

Estimate For 25000MT Buffer Godown

SL NO.	Description	Unit	Quantity to be done	Rate in BDT	Amount in BDT
1	Mobilization and Site Improvement & Facilities: Mobilization of equipment's, establishment of materials storage and site office & labor shade after clearing& grabbing, Site improvement & preparation diversion road, providing the peripheral Temporary fencing and other's utilities facilities.[Ref: As per PWD-2018]	Sqm.	28,266.73		-
2	Layout Fixation: Layout providing center lines, local bench-mark pillars, leveling, ramming and preparing the base, fixing bamboo spikes and marking layout with chalk powder, providing necessary tools and plants and marking for earthwork in excavation in foundation as per direction of Engineer -In-Charge(EIC).[Ref: As per PWD-2018]	Sqm.	28,266.73		-
3	Land Development by Sand filling having F.M. 0.5 to 0.8 in 150mm layers including leveling, watering and compaction to achieve minimum dry density of 90% with optimum moisture content (Modified proctor test) by ramming each layer up to finished level including the cost of testing etc. all complete and accepted by the Engineer. All materials must be approved from Engineer-in-charge before starting the work..[Ref: As per PWD-2018] 15 feet depth	Cum	129,205.61		-
4	Steel Structure of Godown				-
4.1	Pre-cast RCC Piling (350mm X350mm) Works including RCC, Reinforcement, driving[Ref: As per PWD-2018]50 m	rm	3,430.00		-
4.2	Foundation Up to Plinth For Godown- Single Storied Foundation include the Footings/Pile cap, Pedestal, GB and Floor Slab for the total area prefab Steel Structure of Gadown. [Ref: As per PWD-2018]	Sqm.	20,500.00		-

4.3	Super Structure with 250mm Brick Enveloping of Godown : Pre-Fabrication Building for Godown Shade- Supply, fabricate and installation/Erection of total Steel Structure (Column, Rafter & Strut-Grade 50 and Purlin, Bracing & Girt - Grade 40) along with the Canopy & Ridge Monitor, 0.47mm Aluminum Alloy profile sheet Roofing insulated by Double Bubble insulation & wall cladding providing all accessories & anchor bolt fitting fixing with template including welding if required i/c all necessary labor, tools etc. as per Approved Design and instruction of Engineers in-charge.[Ref: As per PWD 2018]	Sqm.	21,115.95		-
5	Office Building d Accommodation and Ansar Barrack:				-
5.1	Three Storied RCC frame Structure Building's Foundation including the Footings/Pile cap. Pedestal, GB and Floor Slab Up to PL Works as per Schedule for Residential Building[Ref: As per PWD-2018] 2400 sft	Sqm.	223.00		-
5.2	Three Storied RCC fame Structure Building Including Super Structure, Enveloping and finishing Works as per Super Finish Schedule for Residential Building. [Ref: As per PWD-2018] Total 1200*2*3=7200 sft	Sqm.	669.00		-
5.3	One Storied Ansar Barrack's Foundation: Single Storied RCC frame Structure Building's Foundation including the Footings/Pile cap, Pedestal, GB and Floor Slab Up to PL Works as per Schedule for Residential Building.[Ref: As per PWD 2018] 3600sft	Sqm.	335.00		-
5.4	One Stored Ansar Barrack's Superstrstructure : Single Storied RCC frame Structure Building Including Super Structure, Enveloping and finishing Works as per Standard Finish Schedule for Residential Building. [Ref: As per PWD-2018]3600sft	Sqm.	335.00		-
6	Construction of Boundary Wall:				-
6.1	Pre-cast RCC Piling Works size (300mmX300mm) including RCC, Reinforcement, driving, testing:- for Boundary/Small Structure Ref: As per 13 BufferGodown]	RM.	1,486.00		-

6.2	Boundary Wall in RCC frame, 1.83M in height with Retaining wall: Above the Ground Construction of R.C.C of fe-19 MPa, minimum mix ratio (1: 2 4) boundary wall of height 1.83M above F.G.L with RCC column 250 mm X 250 mm size and Grade beam 450 mm X 250mm at F.G.L, 75 mm thick and 250 mm width R.C.C coping and 125 mm (1:4) brick work in between the columns, 12 mm thick cement plaster (1:6), in all exposed surface on both sides of the boundary wall including the cost of M.S rod and white washing etc.[Ref. As per PWD-2018]	RM.	743.00		-
6.3	Retaining wall @ RCC frame & Composite Structures Below the Ground Construction of R.C.C F'c=19Mpa, minimum mix ratio (1:2:4) minimum 1.5M-2.SM Retaining composite Wall below. F.G.Lwith RCC column 300 mm X 300 mm size from Foundation beam 300 mm X 750mm at footing level which is acting as pile Cap 250mm Brick wall providing weep hole and additional Tie Beam 300 mm X250mm at each 900am ht interval, 12 mm thick cement plaster (1:6) on the out sides of brick surface with NCF Including the cost of M.S rod and white washing Etc. [Ref As per PWD2018]	RM.	743.00		-
6.4	450mm Barbed wire fencing over boundary wall: Supplying fitting and fixing 12 BWG barbed wire (2 ply, 4 points) in fencing work @150 mm c/c in bath horizontal and vertically, supported by 38 X 38 X6 mm MS angle post (300 mm embedded in RCC of fc- 19 MPa) in nominal mix 1: 2:4) 600 mm vertical and 450 mm inclined or as per requirement @ 2.4 m c/e including straightening, binding the joints with 18 EWG wire making holes in the angle etc. in /e supplying of all necessary materials complete in all respect and accepted by the Engineer. [Ref: As per PWD-2018]	RM.	743.00	887.00	659,041

7	SECURITY POST of Pre-Fabricated Steel on RCC Frame: Supply, fabricate and installation/Erection of Security Post Steel Structure along with the Canopy &MS Steel Stair providing all Accessories & anchor bolt fitting fixing with template including all necessary labor, tools etc.as per Approved Design and instruction of Engineer-in-charge [Ref: As per PWD-2018]	Nos.	4.00		-
8	Frame Structured RCC Sub-station Building+ Guard Post Building	Sqm.	71.17		-
9	Road Work				-
9.1	Internal RCC Road all around the Godown :-Construction of RCC Road (minimum f ^{cr} 30Mpa, and satisfying a specified compressive strength f ^c = 25 Mpa at 28 dys on standard cylinders, Crushed stone chips as Coarse aggregate, Cement content relates to mix ratio 1:1.5:3) with 250mm thick guide wall of height 0.30 meter, 150 mm thick R.C.C work over one layer 1 st class brick flat soling and polythene sheet including the cost of reinforcement.(Ref: As per PWD-2018)	Sqm.	9,145.00		-
9.2	Approach Road:- 7.6M wide Access Road from the High Way or Adjacent Public Road-Construction of 38 mm thick compacted bituminous carpeted road over Compacted sub-base base course over with seal coat ,painting and compacted Embankment fill Protected by Guide Wall and 750mm RCC pipe installation underneath the access road for crossing the water(for 30m).[Ref:As per PWD-2018]	RM.	30.00		-
10	Drainage System for the Complex and Apron:				-

10.1	<p>Perimeter RCC Storm Drain: Constructing Storm Water U-drain of 1050 mm ave. depth and 600 mm clear width having 125 mm thick RCC (1:2:4) Wall over one layer of polythene on top brick flat soling and minimum 12 mm thick cement sand (F.M. 1.2) plaster (1:3) including neat cement finishing the surfaces, curing at least for 7 days including excavation of all kinds of soil, back filling with fine sand (F.M. 0.8) consolidating and dressing, including cost of water, electricity, other charges etc. complete and accepted by the Engineer. [Ref: As per PWD-2018]</p>	RM.	743.00		-
10.2	<p>Surface Drain:- Constructing Surface Drain of 600 mm (av.) depth and 225 mm clear width at the bottom and 525 mm at the top having 125 mm thick cement concrete (1:2:4) curb up to 300 mm from the bottom over one layer of polythene on top brick flat soling and the side slopes of the remaining 300 mm height provided with 125 mm thick first class brick work in cement mortar (1:6) including minimum 12 mm thick cement sand (F.M. 1.2) plaster (1:3) including neat cement finishing the surfaces and back of the drain up to 150 mm below ground level with fresh cement curing at least for 7 days including excavation of all kinds of soil, back filling with fine sand (F.M. 0.8) consolidating and dressing, including cost of water, electricity, other charges etc. completed and accepted by the Engineer. [Ref: As per PWD-2018]</p>	RM.	962.50		-
10.3	<p>Apron/Plinth Protection:- Along the periphery of building needs to construct 50mm thick & 600mm width plinth protection Providing apron of cement concrete (1:2:4) with cement, coarse sand and picked jhama chips 10.3 including breaking chips and one layer brick flat soling at bottom with first class or picked jhama bricks including cutting earth for preparation of bed and filling the interstices with local sand (F.M. 0.8) including finishing, dressing, curing at least for 7 days etc all complete including cost of water, electricity, other charges accepted by the Engineer. [Ref: As per PWD-2018]</p>	Sqm.	712.50		-
11	Utility Facilities:				-

11.1	Water Supply, SANITARY AND PLAMBING WORKS for office building Supply, fitting & fixing of Sanitary Fixture & 11.1 fittings (Local brand) and high quality Plumbing materials with other fittings etc. all complete water supply, soil & waste water discharge and Rain water system.[Ref: As per PWD-2018]	Sqm.	669.00		-
11.2	Water Supply, SANITARY AND PLAMBING WORKS for Ansar barak Supply, fitting& fixing of Sanitary Fixture& 11.2 fittings (Local brand) and high quality Plumbing materials with other fittings etc. all complete water supply, soil & waste water discharge and Rain water system.[Ref: As per PWD-2018]	Sqm.	335.00		-
11.3	Septic Tank: Construction of Septic Tank for 100 Users with 250mm brick work in cement mortar (1:6) of the walls as per approved plan over a brick flat soling and 150 mm thick reinforced cement concrete flooring (1:2:4) with 125 mm thick walls in 11.3 partition and 12 mm thick cement plaster (1:4) with N.C.F. to insides of walls on floor and providing 450 mm dia water sealed heavy type C.I. manhole cover with locking/unlocking arrangement and 100 mm thick R.C.C (1:2:4) top slab etc. all complete as per approved by the Engineer. [Ref: As per PWD-2018]	Each	1.00		-
11.4	Soak Well:- Construction of soak well for 100 users with 250 mm thick solid brick work and 250 mm honey comb brick work with cement mortar (1:6) as per design over R.C.C. (1:2:4) well curb with 1% reinforcement up to the depth as per drawing with 450 mm dia water sealed heavy type. C.I. manhole cover with locking arrangement, filling the well up to the required depth with graded khoa and sand etc. all complete as per drawing, design approved by the Engineer.[Ref: As per PWD-2018]	Each	1.00	76,264.00	76,264
12	Miscellaneous Works				-

12.1	<p>Deep Tube-well:- Complete-boring and installation--150mmdia UPVC tube well Fixture such as expended top pipes reducer, RFL/National Polymer 150mm dia uPVC pipe of wall thickness of 6.6 mm tube well pipe, strainer(20m length), blind pipe ,and pipe 12.1 cap etc. fitting and fixing with best quality Upvc solution ,iron screws, and UPVC tape and placing in position with 2 HP sub marsible (one) pump padrolo (Made in Italy) including required length and size inner uPVC pipe and galvanized weir, fitting the pump and delivery pipe including all materials and borehole filling the crushing stone chipes ,and direction of the Consultant .[Ref: As per PWD-2018]</p>	RM.	230.00		-
12.2	<p>Under ground water Reservoir:- Construction of Minimum 2.43MX5MX2.5m Under ground water tank for water supply to the factory complex.[Ref: As per PWD-2018]</p>	each	1.00		-
12.3	<p>RCC Pipe Works for Drain Connection:- Supplying, laying, fitting and best quality fixing 300 mm dia (internal) machine made R.C.C. pipe Over 100 mm thick cement concrete (1:3:6) at base and sides including single brick flat soling and gasket with cement mortar (1:4) joints, cutting and filling trenches up to required depth including excavation of soil etc. all complete in all respects as per type plan and accepted by the Engineer (average depth of trench is 3'-6"). [Ref: As per PWD-2018]</p>	RM.	619.17		-
12.4	<p>MS Grating on RCC Drain:- Supply &Installation MS Grating made of 38X38mmX4mm MS Angle &25mmX6mm MS fiat bar@25mm cic as RCC Drain cover.[Ref: AS per PWD-2018]</p>	RM.	743.00		-
12.5	<p>MS Steel swing Gate: 2.43m height Entrance Steel Swing Gate with combination of Square MS Hollow Box and SS Box /Pipe/Sheet i/c adequate support & colored by Enamel Paint (Spray) as per approved Layout/Design. [Ref: As per PWD-2018]</p>	Sqm.	14.58		-

12.6	Landscaping :- exclusive type providing the flower vase/ plantation bed with esthetic view in between alternate grid, all complete. [Ref. As per PWD- 2018]	with	Sqm.	105.00	-
12.7	Interlocking Paving Pathway: Supplying and placing of 60 mm thick colored Uni-Block/interlocking paving tiles for paving major walk way, car porch having compressive strength of 49 N/mm ² on compacted sand bed of 50 mm on stabilized soil base.[Ref: As per PWD-		Sqm.	255.00	-
12.8	RCC Casting at Valley Gutter: Smooth Finish ave. 75mm Thick RCC Casting (1:2:4) with temperature reinforcement & stand nuts at valley gutter on MS Gutter Sheet to facilitate the waterproof and proper slop with sealed water way.[Ref: As per PWD-2018]		Cum.	66.47	-
Total Civil Work=					
13	Godown, building, Ansar barak and others Supply, fitting & fixing of MDB to SDB (ABB), internal conceal wiring (BBS/BRB) and switch (Legrend/ABB) board and fan & electrical point as well as internal electrical system as per full satisfaction of the Authority.(Ref: As per PWD- 2018]		Sqm.	28,266.73	
Total Electrical Work=					-
Total Civil+Electrical Work=					-

Cost Analysis of Godown	
Work Location	BOQ Amount
10000MT Godown	-
15000MT Godown	-
20000MT Godown	-
25000MT Godown	