Item No	Description	Unit	Qty	Rate	Amount
	Preparing Dik Wall				
	Removing Roof and Others				
1	Removing and stacking Amano sheet roof, existing green mesh around the building, gate sash, and other necessary GI pipes etc. clearing debris 10 m away within site.	Item	Allow	Sum	
	Excavation				
2	Excavation of 2'-0"x2'-0"x2'-0" size columns pits ass per drawing in any material total depth not exceeding 1.0m	Cuft	48.0		
3	Excavation 8"wide, 6" hieght small trench for prepare concrete dike around the store room.	Cuft	42.0		
	Concrete Work & Reinforcements				
4	Preparing 5" thk. 1'-6" height concrete wall as per drawing around the store room including with necessary form works, 2 nos. of 6mm mild steel @ 8" c/c, 1:2:4 (3/4") cement concrete.	Lft	117.0		
5	Insitue Concrete 3" Thk.1:3:6 (1") mass concrete for 6 Nos. of new column bases.	Cuft	6.0		
6	Insitue Concrete 1:2:4(3/4") for column base and column shaft as per drawing.	Cuft	23.0		
7	Supplying, bending and placing 10mm tor steel for column base and column shafts.	kg	20.0		
8	Supplying, bending and placing 6mm mild steel for column shafts.	kg	15.0		
9	Hiring steel box for concrete the column shafts.	Item	Allow	Sum	
10	Cleaning the existing 5'-0"wide brick pavement and Laying 2" thk. 1:3:6(1") cement concrete layer on brick pavement and finished with 1:3 cement plastering with red cement pigment.	Sqft	250.0		
11	Insitue concrete 4"thk. 1:3:6 (1") cement concrete laying as per drawing for new addtion floor area including with 1"x1" chicken mesh laying and levelling with existing store room floor finished neat and construction of 10" height, 1'-6" wide curved concrete drain around the store area.	Cuft	280.0		
	Cement Block Wall, Plastering & Water Proofing				
12	5" thick cement block wall in 1:5 cement sand motar, around the store area as per drawing.	Sqft	175.0		
13	Applying two coats of neopress crystal water proofing chemical for new and existing concrete floor area, new drain, new concrete and block walls under the inspection of Engineer.	Sqft	840.0		
14	Plastering to wall, 15 mm (5/8") thick in Cement and sand 1:5 finished semi rough with wooden float.	Sqft	360.0		
	Cladding Work/ Grill Work	Lft	100.0		

Item No	Description	Unit	Qty	Rate	Amount
15	Preparing 1.2mm thk. 1½"x1½" heavy duty box bar frame, vertical and horizontaly 2'-0" C/C as per drawing. GI box bar frame fixing with welding and vertical bars fixed to cement block wall with necessary brackets and wall plugs. and 1½"x1½" heavy duty box bar supprotings fixed to wall as per plan(For Rear side cladding board partition)	Sqft	280.0		
16	Supply and installation of 4mm thk. Cladding board on the above steel frame with rivert. Cladding board Color and quality approved by client.	Sqft	280.0		
17	Supplying and installation of 2mm thk. 1" × 1" box bars fixed vertically at 4'-0" c/c on the cement block masonry wall and horizontally interconnected by welding at the locations and spacing indicated on the drawings, complete with all necessary cutting, welding, fixing, alignment and finishing. (For Iron mesh and Amano sheet covering)	Sqft	600.0		
18	Supply and installation of GI mesh up to a height of 3'-0" over the above-mentioned steel frame, securely fixed with rivets to form a continuous mesh covering, including cutting, fitting, overlapping, all necessary accessories and labour, complete as shown on the drawings.	Sqft	260.0		
19	Supply and installation of 0.47mm thk. 12'-0" long aluminium sheets over the above-mentioned steel frame to provide coverage up to a height of 4'-0", securely fixed with rivets, including cutting, fitting, overlapping, jointing, all necessary accessories, complete as shown on the drawings.	Sqft	340.0		
	Roof Works				
	Steel Structures				
	Steel Columns				
20	Supply, fabricate and install six (06) triangular steel columns using heavy-duty GI pipes of 1½" diameter and 3.2 mm thickness, welded and arranged in the triangular configuration with supports as shown on the drawings and similar to the existing steel columns. Apply two coats of approved quality and colour enamel paint, including provision and fixing of base plates and anchor bolts, and securely fix the columns to the concrete foundations, complete in all respects as shown on the drawings.	Nos	6.0		
	Fabrication and Installation of Steel Roof Trusses				

Item No	Description	Unit	Qty	Rate	Amount
21	Supply, fabricate and install 32'-0" long two (02) new steel roof trusses as shown in the drawings, using 3 mm thick, 50 mm diameter heavy-duty GI pipes as the top and bottom main members and 32 mm diameter heavy-duty GI pipes as intermediate supporting members. All members shall be accurately cut, fitted and welded together in accordance with the approved drawings and specifications to form steel trusses of 1'-6" (450 mm) height.	Nos	2.0		
22	Provide and weld 225 × 225 × 10 mm thick base plates to the fabricated trusses for fixing to the existing steel columns. The completed trusses shall be properly aligned, securely fixed and finished with two coats of approved-quality enamel paint in the approved colour, all in accordance with the drawings, specifications and Engineer's instructions.	Nos	4.0		
23	Supply, fabricate and install four (04) new steel roof trusses, each 22'-0" (6.70 m) long, as shown in the drawings. The top and bottom main members shall be fabricated using 32 mm diameter × 3 mm thick heavy-duty GI pipes, with 32 mm diameter × 3 mm thick heavy-duty GI pipes used for the intermediate supporting members. All members shall be accurately cut, fitted and welded together in accordance with the approved drawings and specifications to form steel trusses of 1'-2" (355 mm) height. The fabricated trusses shall be securely welded and connected to the existing steel roof trusses as shown in the drawings. The completed trusses shall be properly aligned, securely fixed and finished with two coats of approved-quality enamel paint in the approved colour, all in accordance with the drawings, specifications and Engineer's instructions.	Nos	4.0		
24	Supply and fix 0.47 mm thick, 12'-0" (3.66 m) long zinc-aluminium corrugated roofing sheets over the above-fabricated steel roof frame, securely fixed using approved rivets, complete in accordance with the approved drawings, specifications and Engineer's instructions.	Sqft	1600.0		
	<u>Rain water gutters and down pipes</u>				
25	Gutters, eaves 150mm G.I semicircular 22 B.W.G making and fixing with hooks or brackets and screws, and joints to be soldered complete.	Lft	39.0		

Item No	Description	Unit	Qty	Rate	Amount
26	Making and fixing Downpipes 150 mm (6") dia. Using G.I, 22 B.W.G with holdfasts or plugs fixed to steel columns and connect to main drain line. Excavation 8"x8" size trench for laying and connect to main drail line.	Lft	70.0		
27	Supply, fabricate and install steel grill grating to cover the top surface of the concrete drain constructed around the store, as shown on the drawings. The grating shall be fabricated using 10 mm diameter steel bars, 1/5" steel flat bars and other necessary steel sections, including cutting, welding, fabrication, fixing and all necessary supports and accessories, complete in all respects and all steel components shall be properly cleaned and apply two coats of enamel paint, including surface preparation.	Item	Allow	Sum	
	Drain Gully and Water Supply				
28	Construction of two (02) Nos. concrete chemical gully pits of internal dimensions 2'-0" x 2'-0" x 2'-0" (600mm x 600mm x 600mm) as per the drawings. Including excavation, formwork, and casting with Grade 20 (1:2:4) concrete using 3/4" (20mm) graded aggregate, reinforced with 6mm diameter mild steel at 8" (200mm) centers both ways. Internal surfaces must be sealed by applying two (02) coats of 'Neopress Crystal' waterproofing chemical, followed by a smooth internal plastering finish using a 1:3 cement-sand mortar mix to a neat and watertight finish.	Nos	2.0		
29	Supply and laying of 3-inch (75mm) diameter PTFE (Teflon) chemical-resistant pipes, including cutting/excavating a 1'-0" x 1'-0" (300mm x 300mm) trench/channel in earth/concrete, interconnecting the chemical gully pits as per the drawings, running the pipeline up to the main chemical storage tank, jointing with approved chemical-resistant fittings/gaskets, backfilling, and restoring the surface to original condition.	Lft	77.0		
	Emegency eye wash and safety shower				

Item No	Description	Unit	Qty	Rate	Amount
30	Removing the existing emergency washbasin, soap dispenser, shower and related accessories from the current emergency eye/face wash station. Transporting, relocating, and re-installing the dismantled units on the left side of the main entrance gate as shown in the approved drawings. Work includes supplying and laying new 1/2" and 3/4" diameter PVC water supply lines, making necessary connections to the main water supply system, and laying new PVC wastewater drain pipes to connect the new chamical storage tank. Excavate 8"x8" size trench for laying the waste water pipe line.	Item	Allow	Sum	
	Firefighting facility				
31	Removing existing fire extinguishers and re locate as per plan at right side of the main entrance of store room.	Item	Allow	Sum	
	Electrical & Safety detectors				
32	Supply and installation of pendent lamp with 2x1mm^2 PVC/PVC/CU + 2.5mm^2 PVC/CU earth cable terminated in a 3 terminal ceiling rose and sunk switch, wired in concealed conduit and connect to main electrical wiring system.	Nos	6.0		
	Gas Detectors				
33	Supply, installation, testing, and commissioning of a Fixed Photoionization Detector (PID) Gas Sensor system for VOC/Formaldehyde gas detection inside the chemical store room. The detector enclosure shall be Explosion-proof (ATEX/IECEx certified, Grade Ex d) with a minimum IP66 rating. The sensor shall be wall-mounted at a height of 1'-6" from the finished floor level, near potential leak sources. Work includes supplying and laying of chemical-resistant shielded signal cables inside heavy-duty PVC conduits up to the main monitoring panel, wall brackets, anchor bolts, testing with calibration gas, and integrating with the main audio-visual alarm/siren system.	Nos	2.0		
	Chemical Liquid Leak Detectors				

Item No	Description	Unit	Qty	Rate	Amount
34	Supply, installation, testing, and commissioning of a Continuous Chemical Liquid Leak Detection System. The system shall include an industrial-grade, highly sensitive, and corrosion-resistant sensing cable jacketed in fluoropolymer (PTFE/PVDF) materials to withstand exposure to hazardous chemicals including Formaldehyde, acids, and bases. The sensing cable shall be laid along the chemical trenches.Work includes supplying a digital leak localization monitoring panel (Alarm Module), end-terminations, hold-down clips, chemical-resistant conduits for leader cables, integration with the main audio-visual strobe-siren alarm system, testing, and commissioning.	Item	Allow	Sum	
	Construction of Spill Collection Tank				
35	Excavation to the required dimensions of 8'-0" long × 5'-0" wide × 5'-9" deep, as per drawings, including excavation by machine in all types of soil, trimming and dressing of excavation sides and bottom, and removal, loading, transportation and disposal of surplus excavated earth to a location up to 5 km from the building premises, complete in all respects as specified.	Cube	3.7		
36	Providing and laying Grade 35 reinforced 1'-0"thk. concrete base and side of the wall concrete, including mixing by Machine, placing, vibrating, compacting and curing, complete as specified.	Cube	2.1		
37	Providing and placing Grade 35 reinforced 5"thk. concrete to cover slab (Concrete lid), including reinforcement, formwork, vibration, finishing and curing, complete as specified.	Cube	0.3		
38	Providing, cutting, bending and fixing 12mm dia. Tor steel reinforcement at 6"c/c laid in position both way and tied with G.I wire as directed for bed slab & walls.	Kg	260.0		
39	Providing, cutting, bending and fixing 10mm dia. Tor steel reinforcement at 6"c/c laid in position both way and tied with G.I wire as directed for cover slab.	Kg	38.0		
40	Providing and fixing 12–18mm plywood/formwork sheeting to sides of walls, base upstands and cover slab, including supports, staging, releasing agent, erection and removal, complete.	Sqft	248.0		

Item No	Description	Unit	Qty	Rate	Amount
41	Providing and applying two coats of neopress crystal water proofing chemical protective coating/lining to all internal surfaces of the tank including soffit of the concrete lid, including surface preparation, primer and complete as per manufacturer's recommendations and Engineer's approval.	Sqft	180.0		
42	Plastering internal faces of all wall, bed of slab and covering lid, 15 mm (5/8") thick in Cement and sand 1:5 finished smooth with wooden float.	Sqft	180.0		
43	Fabricate and fixing 1'-0"wide 10mm dia. iron hooks to side of the concrete wall, concrete lid as per drawing.	Item	Allow	Sum	
	Supply, Fabrication and Installation of Double Sliding Gate				
44	Supply, fabricate and install a double-sash sliding gate, as shown on the drawings, comprising two gate sashes, each 5'-0" wide x 6'-0" high, suitable for access to the store. The gate frames shall be fabricated using 2" x 2" size heavy duty GI box bars, complete with steel railing (V-groove track), gate stoppers, steel wheels, locking arrangements, iron hinges and all necessary accessories and fittings required for smooth operation and secure locking, Provide and fix iron handles to both gate leaves and complete the installation in a proper and workmanlike manner. All iron/steel components shall receive two coats of enamel paint after suitable surface preparation The inside of the fabricated gate frames shall be provided with 1" x 1" GI mesh as shown in the drawings. The GI mesh shall be supplied, cut to size and securely fixed to the gate leaves by welding, using ¾" x ¾" aluminium beading strips around the mesh as shown in the drawings.	Item	Allow	Sum	
				TOTAL	