

BILL OF QUANTITIES

CEYLON PETROLEUM STORAGE TERMINALS LIMITED

PREMISES & ENGINEERING SERVICES FUNCTION

JOB :PROPOSED RENOVATION FOR THE CPSTL HOUSING UNITS AT GAJABAPURA

Premises & Engineering Services

CPSTL

B.O.Q No:

Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
A	HOUSE NO.01				
A.1	DEMOLISION AND DISMANTALING WORK				
	<i>Rate shall include for protection of public and private Building and services. The contractor shall protect, uphold and maintain all water and drain pipes, ducts, sewers, service mains, overhead cables, etc., unless earmarked for demolition, during the execution of the works. The contractor is to make good any damage due to any cause within his control at his own expenses or pay any cost and charges in connection therewith. In cases where the services are to be temporarily terminated or diverted the contractor is to give the necessary notice to the appropriate Authority with the approval of the Employer and arrange for the work to be carried out and pay all costs and charges in connection therewith. Delays to the contract completion time caused by such damage will not be entertained. All removed items to be handed over to CPSTL.</i>				
A.1.1	Chipping and Removing of existing rendering work in floor area(included wash room area)	53.00	m ²		
A.1.2	Removing and dismantaling of existing ceiling with frame work as per engineer's instruction	53.00	m ²		
A.1.3	Removing of existing plastering as per the engineer's instruction.	12.00	m ²		
A.2	CEILING WORK				
A.2.1	Supplying and fixing Asbestos ceiling with class 1 timber coves & fillets with 50mmx50mm approved class 1 timber frame . Under side to existing rafter size of fillet to be 37.5mmx12.5mm size of cove moulding 50mmx50mm as Instructions of Engineer.Rate to include applying wood preservative.	53.00	m ²		
A.2.2	Supplying and fixing Asbestos eave ceiling with class 1 timber coves & fillets with 50mmx50mm approved class 1 timber frame . Under side to existing rafter size of fillet to be 37.5mmx12.5mm size of cove moulding 50mmx50mm as Instructions of Engineer.Rate to include applying wood preservative.	25.00	m ²		

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
A.3	FINISHES				
A.3.1	<u>Painting</u> <i>External painting shall be exterior quality,weathershield, to suit with the environment, climate and location .</i> <i>The bidder shall submit the following details on paint with all technical details and relevant literature along with the bid for approval.</i> <i>Rate for painting shall include for painting to door and window reveals.</i>				
A.3.1.1	Preparing and applying two coats of wall putty and one coat of wall filler and two coats of approved quality and colour emulsion paint(CIC or equivalent) to internal plastered surfaces of walls as directed. Rate shall include for using sand paper to obtain, smooth clear surface and preparing damaged surfaces where necessary as directed by Engineer.	132.00	m ²		
A.3.1.2	Preparing and applying one coat of approved wall filler & two coats of weather shield paint (CIC or equivalent) of approved quality & colour to external plastered walls .Rate to include all necessary masonry repairs with putty and cement grout as per instruction of Engineer.	113.00	m ²		
A.3.1.3	Supplying, preparing & applying approved quality & colour one coat of primer & 2 coats of weather shield paint (CIC or equivalent) to all surface of Ceiling Soffit as directed. Rate shall include for applying approved quality putty & surface preparation using sand paper to obtain smooth clear surface before applying primer coat as directed.	53.00	m ²		
A.3.1.4	Supplying, preparing & applying approved quality & colour one coat of primer & 2 coats of weather shield paint (CIC or equivalent) to all surface of Eave Ceiling Soffit as directed. Rate shall include for applying approved quality putty & surface preparation using sand paper to obtain smooth clear surface before applying primer coat as directed.	47.00	m ²		
A.3.2	<u>Floor finishes</u> <i>All works must be according to drawings, specification and engineer's instructions. Rates shall include :</i>	Note			

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
	1. Samples for approval and all the required tests.				
	2. Cleaning, mechanical polishing and pointing using grout existing tiles.				
A.3.2.1	Supplying and placing 50mm thick mass cement concrete (1:3:6) in floor as per the engineer's instruction.	52.00	m ²		
A.3.2.2	20mm thick cement sand (1:3) rendering finished smooth with neat cement floating to floor area as per the engineers instruction	52.00	m ²		
A.3.2.3	Supplying and laying of 100mm high cement skirting .	53.00	m		
A.4	DOORS AND WINDOWS				
A.4.1	Grill work Supplying and fixing flat 6 mm -(1/4") iron grill to the all windows as per the instruction of engineer.(Rate to include applying one coat of anticorrosive paint and 2 coat of enamel paint and removing of existing iron window grill work)	11.50	m ²		
A.5	PLUMBING WORK <i>Cost of supplying & fixing of all PVC/UPVC piping work inclusive of specials & minor materials should include to the respective items.</i> <i>All PVC pipes should confirm to SLS 147 (for water supply type 1000, for water & drainage type 600)</i>				
A.5.1	Supplying and fixing White colour & quality ceramic Water Closet "Rocell" complete with 'S' or 'P' trap outlet, double flush close couple complete, white color seat cover suite, flexible connections, fixed water tec 1/2" tap . Rates shall include for all other necessary UPVC pipes all complete to working order. (PVC pipes & specials for water supply is not measured separately)	1.00	Nr		
A.5.2	Supplying and fixing Chromium plated head shower (Watertec) including pipes, and connections to water network. The rate include floor trap, all required fittings for work completion .	1.00	Nr		

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
A.5.3	Supplying and fixing hand bidet shower "Water Tec" and install(1/2") dia chromium plated angle valve in ground floor and first floor.	1.00	Nr		
A.5.4	Supplying and fixing Nickel plated Soap Tray	1.00	Nr		
A.5.5	Supplying and fixing Nickle plated Single Towel Bar	1.00	Nr		
A.5.6	Supplying and fixing of chromium plated taps as per the engineer's instruction (Rate to include supplying of PVC lines as necessary)	1.00	Nr		
A.5.7	Supplying and fixing of internal size 150mmx150mm stainless steel gully cover to the gully(Rate to include preparation the surfaces of gully)	1.00	Nr		
A.6	MISCELLANEOUS WORK				
A.6.1	Repairing existing Gate(Approx.size 3800mmx1295mm) as per engineer's instruction.Rate to be include painting with anti-corrosive paint.	1.00	item		
A.6.2	Repairing Boundry wall including painting with weathershield paint, preparing of cracks and necessary masonry repairs etc.(Approx.Height-1.3m)	50.00	m		
TOTAL CARRIED TO SUMMARY					
B	HOUSE NO.02				
B.1	DEMOLISION AND DISMANTALING WORK				
	<i>Rate shall include for protection of public and private Building and services. The contractor shall protect, uphold and maintain all water and drain pipes, ducts, sewers, service mains, overhead cables, etc.,unless earmarked for demolition, during the execution of the works. The contractor is to make good any damage due to any cause within his control at his own expenses or pay any cost and charges in connection therewith. In cases where the services are to be temporarily terminated or diverted the contractor is to give the necessary notice to the appropriate Authority with the approval of the Employer and arrange for the work to be carried out and pay all costs and charges in connection therewith. Delays to the contract completion time caused by such damage will not be entertained.All removed items to be handed over to CPSTL.</i>				

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B.O.Q No:

Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
B.1.1	Removing existing Calicut tile roof covering as per engineer's instruction	105.00	m ²		
B.1.2	Chipping and Removing of existing rendering work in floor area(included wash room area)	53.00	m ²		
B.1.3	Removing and dismantaling Existing Door(D1) with frame (Approximate size 1067mmx2745mm)	1.00	Nr		
B.1.4	Removing and dismantaling Existing Door(D2) with frame (Approximate size 840mmx2100mm)	2.00	nos		
B.1.5	Removing and dismantaling Existing Door(D3) with frame (Approximate size 840mmx2100mm)	2.00	nos		
B.1.6	Removing and dismantaling Existing Door(D4) with frame (Approximate size 760mmx1980mm)	1.00	Nr		
B.1.7	Removing and dismantaling Existing Window(W1) with frame (Approximate size 1830mmx2100mm)	1.00	Nr		
B.1.8	Removing and dismantaling Existing Window(W2) with frame (Approximate size 1220mmx1830mm)	3.00	nos		
B.1.9	Removing and dismantaling Existing Window(W3) with frame (Approximate size 610mmx1370mm)	1.00	Nr		
B.1.10	Removing existing decayed timber Valance board as per engineer's instruction	20.00	m		
B.1.11	Demolish and dismantaling of existing sanitary fittings				
B.1.11.1	Watercloset	1.00	Nr		
B.1.11.2	Shower	1.00	Nr		
B.1.11.3	Bip tap	1.00	Nr		
B.1.12	Dismantaling of existing garrage	1.00	item		
B.1.13	Removing of existing plastering as per the engineer's instruction.	12.00	m ²		
B.2	WATER PROOFING				
B.2.1	Supplying and applying Barralastic or equivalent water proofing treatment up to 300mm high in internal wall areas of Wash room as per specifications.	1.50	m ²		

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B.O.Q No:

Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
B.2.2	Supplying and applying Barralastic or equivalent water proofing treatment up to 300mm high in internal floor areas of Wash room as per specifications.	1.50	m ²		
B.3	CEILING WORK				
B.3.1	Supplying and fixing Asbestos eave ceiling with class 1 timber coves & fillets with 50mmx50mm approved class 1 timber frame . Under side to existing rafter size of fillet to be 37.5mmx12.5mm size of cove moulding 50mmx50mm as Instructions of Engineer.Rate to include applying wood preservative.	47.00	m ²		
B.4	FINISHES				
B.4.1	<u>Plastering</u>				
B.4.1.1	15mm thick 1:5 cement and sand plastering with semi rough finished to existing walls as per the instruction of Engineer.	12.00	m ²		
B.4.2	<u>Painting</u> <i>External painting shall be exterior quality,weathershield, to suit with the environment, climate and location .</i> <i>The bidder shall submit the following details on paint with all technical details and relevant literature along with the bid for approval.</i> <i>Rate for painting shall include for painting to door and window reveals.</i>				
B.4.2.1	Preparing and applying two coats of wall putty and one coat of wall filler and two coats of approved quality and colour emulsion paint(CIC or equivalent) to internal plastered surfaces of walls as directed. Rate shall include for using sand paper to obtain, smooth clear surface and preparing damaged surfaces where necessary as directed by Engineer.	132.00	m ²		
B.4.2.2	Preparing and applying one coat of approved wall filler & two coats of weather shield paint (CIC or equivalent) of approved quality & colour to external plastered walls .Rate to include all necessary masonry repairs with putty and cement grout as per instruction of Engineer.	113.00	m ²		
B.4.2.3	Supplying, preparing & applying approved quality & colour one coat of primer & 2 coats of weather shield paint (CIC or equivalent) to all surface of Ceiling Soffit as directed. Rate shall include for applying approved quality putty & surface preparation using sand paper to obtain smooth clear surface before applying primer coat as directed.	53.00	m ²		

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B.O.Q No:

Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
B.4.2.4	Supplying, preparing & applying approved quality & colour one coat of primer & 2 coats of weather shield paint (CIC or equivalent) to all surface of Eave Ceiling Soffit as directed. Rate shall include for applying approved quality putty & surface preparation using sand paper to obtain smooth clear surface before applying primer coat as directed.	47.00	m ²		
B.4.3	<u>Floor finishes</u> <i>All works must be according to drawings, specification and engineer's instructions. Rates shall include :</i> <i>1. Samples for approval and all the required tests.</i> <i>2. Cleaning, mechanical polishing and pointing using grout existing tiles.</i> <i>All tiles should be in approved quality (Rocell, Lanka tiles or equivalent)</i>	Note			
B.4.3.1	Supplying and placing 50mm thick mass cement concrete (1:3:6) in floor as per the engineer's instruction.	52.00	m ²		
B.4.3.2	20mm thick cement sand (1:3) rendering finished smooth with neat cement floating to floor area as per the engineers instruction	52.00	m ²		
B.4.3.3	Supplying and laying 300mmx300mm ceramic non-slip floor tiles, homogeneous, color & design to entire floor area as instructed. Rate shall include for chipping the floor, removing the dust & clean the surface, level & slopes from horizontal plain, laid with cement slurry & joints finished neat with matching grout. Cleaning tile surface.	1.50	m ²		
B.4.3.4	Supplying and laying 600mmx300mm ceramic glassed wall tiles, approved color & design to wall area of toilet as instructed. Rate shall include for chipping the wall, removing the dust & clean the surface, level & slopes from horizontal plain, water proofing bedded on cement and sand mortar 1:3, laid with cement slurry & joints finished neat with matching grout. Cleaning tile surface.	7.50	m ²		
B.4.3.5	Supplying and laying of 100mm high cement skirting .	53.00	m		
B.4.3.6	Supplying and fixing of approved colour Aluminium tile beading(with large groove) For wall tiles as per the instruction of Engineer	7.00	m		

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
B.5	<p>DOORS AND WINDOWS</p> <p><i>Rate for material work shall include for:</i> <i>All straight cutting & waste,bending fabricating & hoisting ,welding drilling for bolts & bolting ,Rolling margin</i> <i>Samples of materials & testing</i></p> <p><u>General Note</u> <i>Aluminium doors shall be supplied with all hardware furniture & fixings.Contractors shall submit to the Engineer shop drawings & technical specifications for the Engineers approval.</i></p> <p><u>Material</u> <i>All sections shall be extruded from B-6063-T5 Aluminium Alloy.Door section shall be designed to give a rebated internal & external face.Screws used in the construction of door frames shall be high - tensile steel or a non -corrosive material compatible with Aluminium Door frames should be fabricated with standard Aluminium sections.</i></p> <p><u>Construction</u> <i>Corners of all frames shall be:</i> <i>mechanically buttt jointed & assembled with stainless steel screws .Corners of sashes shall be mitre out & assembled with stainless steel screws .All joints shall be well caulked with a thin joint sealant to prevent leakage.All corners in door shall be flush cut out be assembled with high -tensile steel screws.</i></p> <p><u>Glazing</u> <i>Doors shall be glazed with 5mm ,thick polished float glass set on neoprene blocks at sill to ensure accurate position of glass & glazed with neoprene or P.V.C gasket.</i></p> <p><u>Locks & Handles</u> <i>Locks shall Tale,Viro be equivalent in quality & Multi-pin Cylindrical in design with three spare keys.Quality & function together with a pleasing appearance which the Architect ural features :& type of materials used .Push /pull handles & lock handles of door shall be finished paint coated to approval.</i></p>				

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
	<p><u>Powder Coating</u></p> <p><i>All Aluminium extrusions shall be powder coated of approved colour & an average thickness of 70 microns in accordance with BS 6496/SLS 1411</i></p> <p><u>Testing</u></p> <p><i>It shall be contractors responsibility to check the size of all opening on site,prior to fabrication.All dimensions shown on the drawing shall be verified by actual site measurement before fabrication & installation .Any cutting to enlarge the size of opening & any filleting behind frames required after installation shall be executed by the contractor at his own expense.</i></p> <p><i>The contractor should refer to all relevant specification & drawings prior to pricing & it should be his responsibility to complete the said works to the entire satisfaction to the Engineer at no additional cost.</i></p>				
B.5.1	Supplying & fixing Aluminium powder coated framed single hung door with frame (Approx.size.1070mmx2745mm,D1) .Rate shall include for approved type door closer ,hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	1.00	Nr		
B.5.2	Supplying & fixing Aluminium powder coated framed single hung door with frame (Approx.size.840mmx2100mm,D2) .Rate shall include for approved type door closer ,hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	2.00	nos		
B.5.3	Supplying & fixing Aluminium powder coated framed single hung door with frame (Approx.size.840mmx2100mm,D3) .Rate shall include for approved type door closer ,hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	2.00	nos		
B.5.4	Supplying & fixing PVC door with frame (Approx.size.760mmx1980mm,D4)in wash room .Rate shall include for approved type door ,hinges,locks,handles, etc.& necessary masonry (Refer drawing)	1.00	Nr		

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
B.5.5	Supplying & fixing Aluminium powder coated framed tinted glazed Sliding Window (Approx.size.1830mmx2100mm,W1) .Rate shall include for approved type hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	1.00	Nr		
B.5.6	Supplying & fixing Aluminium powder coated framed tinted glazed Sliding Window (Approx.size.1220mmx1830mm,W2) .Rate shall include for approved type hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	3.00	nos		
B.5.7	Supplying & fixing Aluminium powder coated framed tinted glazed Sliding Window (Approx.size.610mmx1370mm,W3) .Rate shall include for approved type hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	1.00	Nr		
C.5.8	Grill work Supplying and fixing flat 6 mm -(1/4") iron grill to the all windows as per the instruction of engineer.(Rate to include applying one coat of anticorrosive paint and 2 coat of enamel paint and removing of existing iron window grill work)	11.50	m ²		
B.6	PLUMBING WORK <i>Cost of supplying & fixing of all PVC/UPVC piping work inclusive of specials & minor materials should include to the respective items.</i> <i>All PVC pipes should confirm to SLS 147 (for water supply type 1000, for water & drainage type 600)</i>				
B.6.1	Supplying and fixing White colour & quality ceramic Water Closet "Rocell" complete with 'S' or 'P' trap outlet, double flush close couple complete, white color seat cover suite, flexible connections, fixed water tec 1/2" tap . Rates shall include for all other necessary UPVC pipes all complete to working order. (PVC pipes & specials for water supply is not measured separately)	1.00	Nr		

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
B.6.2	Supplying and fixing Chromium plated head shower (Watertec) including pipes, and connections to water network. The rate include floor trap, all required fittings for work completion .	1.00	Nr		

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
B.6.3	Supplying and fixing hand bidet shower "Water Tec" and install(1/2") dia chromium plated angle valve in ground floor and first floor.	1.00	Nr		
B.6.4	Supplying and fixing Nickel plated Soap Tray	1.00	Nr		
B.6.5	Supplying and fixing Nickle plated Single Towel Bar	1.00	Nr		
B.6.6	Supplying and fixing of chromium plated taps as per the engineer's instruction (Rate to include supplying of PVC lines as necessary)	1.00	Nr		
B.6.7	Supplying and fixing of internal size 150mmx150mm stainless steel gully cover to the gully(Rate to include preparation the surfaces of gully)	1.00	Nr		
B.7	ROOFING WORK				
B.7.1	Supplying & laying corrugated asbestos roofing sheets on timber framework with roofing screws or hook bolts.(Roof framework measured seperately).	105.00	m ²		
B.7.2	Supplying & fixing square type rigid Zn/Al (0.47 mmThick) eave gutters including necessary joiners ,end caps and running heads and necessary sealent etc.Gutters to be fixed with aluminium brackets are not more than 600mm centers with brass screw nails as per the instruction of the Engineer.	22.00	m		
B.7.3	Supplying & fixing 450mm rigid Zn/Al (0.47 mm Thick) down pipes with necessary sealent including necessary joiners & elbows,pipes to be fixed with approved type clips at not more than 900mm centers with brass screw nails including wooden blocks burried in walls as directed.	30.00	m		
B.7.4	Supplying and fixing approved colour 0.47mm thick 225mm width colour bonded Zn/Al Valance board with necessary screws and other accessories as per the engineer's instruction and rate to include applying sealent necessarily.	22.00	m		
B.7.5	Supplying and Replacing new approved type timber(kempas/balaue or equivalent) rafters(50mmx100mm)with 600mm centers as per the engineer's instruction.Rate to be included removing the existing rafters and applying of 2 coats of wood preservatives as per the engineer's instruction.	81.00	m		

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
B.7.6	Supplying and Replacing new approved type timber(kempas/balaue or equivalent) battens(50mmx50mm)with 450mm centers as per the engineer's instruction.Rate to be included removing the existing rafters and applying of 2 coats of wood preservatives as per the engineer's instruction.	210.00	m		
B.8	MISCELLANEOUS WORK				
B.8.1	Repairing existing Gate(Approx.size 3800mmx1295mm) as per engineer's instruction.Rate to be include painting with anti-corrosive paint.	1.00	item		
B.8.2	Repairing Boundry wall including painting, preparing of cracks and necessary masonry repairs etc.(Approx.Height-1.3m)	50.00	m		
B.8.3	Constructing of new Garrage which attach to infront of house roof covering with 0.47 mm thick Zn/Al sheets and 4 nos of 65 mm dia.heavy duty GI posts and 40mm dia. Heavy duty GI frame work as per engineer's instruction.Rate to be included making floor area with 75 mm thick 1:2:4 concrete (G20) (Approx.area 20m2)	1.00	item		
TOTAL CARRIED TO SUMMARY					
C	HOUSE NO.03				
C.1	DEMOLISION AND DISMANTALING WORK <i>Rate shall include for protection of public and private Building and services. The contractor shall protect, uphold and maintain all water and drain pipes, ducts, sewers, service mains, overhead cables, etc.,unless earmarked for demolition, during the execution of the works. The contractor is to make good any damage due to any cause within his control at his own expenses or pay any cost and charges in connection therewith. In cases where the services are to be temporarily terminated or diverted the contractor is to give the necessary notice to the appropriate Authority with the approval of the Employer and arrange for the work to be carried out and pay all costs and charges in connection therewith. Delays to the contract completion time caused by such damage will not be entertained.All removed items to be handed over to CPSTL.</i>				
C.1.1	Removing existing Calicut tile roof covering as per engineer's instruction	105.00	m ²		

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B.O.Q No:

Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
C.1.2	Chipping and Removing of existing rendering work in floor area(included wash room area)	53.00	m ²		
C.1.3	Removing and dismantaling of existing ceiling with frame work as per engineer's instruction	53.00	m ²		
C.1.4	Removing and dismantaling Existing Door(D1) with frame (Approximate size 1067mmx2745mm)	1.00	Nr		
C.1.5	Removing and dismantaling Existing Door(D2) with frame (Approximate size 840mmx2100mm)	2.00	nos		
C.1.6	Removing and dismantaling Existing Door(D3) with frame (Approximate size 840mmx2100mm)	2.00	nos		
C.1.7	Removing and dismantaling Existing Door(D4) with frame (Approximate size 760mmx1980mm)	1.00	Nr		
C.1.8	Removing and dismantaling Existing Window(W1) with frame (Approximate size 1830mmx2100mm)	1.00	Nr		
C.1.9	Removing and dismantaling Existing Window(W2) with frame (Approximate size 1220mmx1830mm)	3.00	nos		
C.1.10	Removing and dismantaling Existing Window(W3) with frame (Approximate size 610mmx1370mm)	1.00	Nr		
C.1.11	Removing existing decayed timber Valance board as per engineer's instruction	20.00	m		
C.1.12	Demolish and dismantaling of existing sanitary fittings				
C.1.12.1	Watercloset	1.00	Nr		
C.1.12.2	Shower	1.00	Nr		
C.1.12.3	Bip tap	1.00	Nr		
C.1.13	Removing existing plaster in Kitchen near the Kitchen sink	7.60	m ²		
C.1.14	Removing of existing plastering as per the engineer's instruction.	12.00	m ²		
C.2	WATER PROOFING				
C.2.1	Supplying and applying Barralastic or equivalent water proofing treatment up to 300mm high in internal wall areas of Wash room as per specifications.	1.50	m ²		

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
C.2.2	Supplying and applying Barralastic or equivalent water proofing treatment up to 300mm high in internal floor areas of Wash room as per specifications.	1.50	m ²		
C.3	CEILING WORK				
C.3.1	Supplying and fixing Asbestos ceiling with class 1 timber coves & fillets with 50mmx50mm approved class 1 timber frame . Under side to existing rafter size of fillet to be 37.5mmx12.5mm size of cove moulding 50mmx50mm as Instructions of Engineer.Rate to include applying wood preservative.	53.00	m ²		
C.3.2	Supplying and fixing Asbestos eave ceiling with class 1 timber coves & fillets with 50mmx50mm approved class 1 timber frame . Under side to existing rafter size of fillet to be 37.5mmx12.5mm size of cove moulding 50mmx50mm as Instructions of Engineer.Rate to include applying wood preservative.	47.00	m ²		
C.4	FINISHES				
C.4.1	<u>Plastering</u>				
C.4.1.1	15mm thick 1:5 cement and sand plastering with semi rough finished to existing walls as per the instruction of Engineer.	12.00	m ²		
C.4.2	<u>Painting</u> <i>External painting shall be exterior quality,weathershield, to suit with the environment, climate and location .</i> <i>The bidder shall submit the following details on paint with all technical details and relevant literature along with the bid for approval.</i> <i>Rate for painting shall include for painting to door and window reveals.</i>				
C.4.2.1	Preparing and applying two coats of wall putty and one coat of wall filler and two coats of approved quality and colour emulsion paint(CIC or equivalent) to internal plastered surfaces of walls as directed. Rate shall include for using sand paper to obtain, smooth clear surface and preparing damaged surfaces where necessary as directed by Engineer.	132.00	m ²		

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
C.4.2.2	Preparing and applying one coat of approved wall filler & two coats of weather shield paint (CIC or equivalent) of approved quality & colour to external plastered walls .Rate to include all necessary masonry repairs with putty and cement grout as per instruction of Engineer.	113.00	m ²		
C.4.2.3	Supplying, preparing & applying approved quality & colour one coat of primer & 2 coats of weather shield paint (CIC or equivalent) to all surface of Ceiling Soffit as directed. Rate shall include for applying approved quality putty & surface preparation using sand paper to obtain smooth clear surface before applying primer coat as directed.	53.00	m ²		
C.4.2.4	Supplying, preparing & applying approved quality & colour one coat of primer & 2 coats of weather shield paint (CIC or equivalent) to all surface of Eave Ceiling Soffit as directed. Rate shall include for applying approved quality putty & surface preparation using sand paper to obtain smooth clear surface before applying primer coat as directed.	47.00	m ²		
C.4.3	<u>Floor finishes</u> <i>All works must be according to drawings, specification and engineer's instructions. Rates shall include :</i> <i>1. Samples for approval and all the required tests.</i> <i>2. Cleaning, mechanical polishing and pointing using grout existing tiles.</i> <i>All tiles should be in approved quality (Rocell, Lanka tiles or equivalent)</i>	Note			
C.4.3.1	Supplying and placing 50mm thick mass cement concrete (1:3:6) in floor as per the engineer's instruction.	52.00	m ²		
C.4.3.2	20mm thick cement sand (1:3) rendering finished smooth with neat cement floating to floor area as per the engineers instruction	52.00	m ²		
C.4.3.3	Supplying and laying 300mmx300mm ceramic non-slip floor tiles, homogeneous, color & design to entire floor area as instructed. Rate shall include for chipping the floor, removing the dust & clean the surface, level & slopes from horizontal plain, laid with cement slurry & joints finished neat with matching grout. Cleaning tile surface.	1.50	m ²		

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
C.4.3.4	Supplying and laying 600mmx300mm ceramic glassed wall tiles, approved color & design to wall area of toilet as instructed. Rate shall include for chipping the wall, removing the dust & clean the surface, level & slopes from horizontal plain, water proofing bedded on cement and sand mortar 1:3, laid with cement slurry & joints finished neat with matching grout. Cleaning tile surface.	7.50	m ²		
C.4.3.5	Supplying and laying of 100mm high cement skirting .	53.00	m		
C.4.3.6	Supplying and fixing of approved colour Aluminium tile beading(with large groove) For wall tiles as per the instruction of Engineer	7.00	m		
C.5	DOORS AND WINDOWS <i>Rate for material work shall include for:</i> <i>All straight cutting & waste,bending fabricating & hoisting ,welding drilling for bolts & bolting ,Rolling margin</i> <i>Samples of materials & testing</i> <u>General Note</u> <i>Aluminium doors shall be supplied with all hardware furniture & fixings.Contractors shall submit to the Engineer shop drawings & technical specifications for the Engineers approval.</i> <u>Material</u> <i>All sections shall be extruded from B-6063-T5 Aluminium Alloy.Door section shall be designed to give a rebated internal & external face.Screws used in the construction of door frames shall be high - tensile steel or a non -corrosive material compatible with Aluminium Door frames should be fabricated with standard Aluminium sections.</i> <u>Construction</u> <i>Corners of all frames shall be:</i> <i>mechanically buttt jointed & assembled with stainless steel screws .Corners of sashes shall be mitre out & assembled with stainless steel screws .All joints shall be well caulked with a thin joint sealant to prevent leakage.All corners in door shall be flush cut out be assembled with high -tensile steel screws.</i>				

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
	<p><u>Glazing</u></p> <p>Doors shall be glazed with 5mm ,thick polished float glass set on neoprene blocks at sill to ensure accurate position of glass & glazed with neoprene or P.V.C gasket.</p> <p><u>Locks & Handles</u></p> <p>Locks shall be equivalent in quality & Multi-pin Cylindrical in design with three spare keys.Quality & function together with a pleasing appearance which the Architect ural features :& type of materials used .Push /pull handles & lock handles of door shall be finished paint coated to approval.</p> <p><u>Powder Coating</u></p> <p>All Aluminium extrusions shall be powder coated of approved colour & an average thickness of 70 microns in accordance with BS 6496/SLS 1411</p> <p><u>Testing</u></p> <p>It shall be contractors responsibility to check the size of all opening on site,prior to fabrication.All dimensions shown on the drawing shall be verified by actual site measurement before fabrication & installation .Any cutting to enlarge the size of opening & any filleting behind frames required after installation shall be executed by the contractor at his own expense.</p> <p>The contractor should refer to all relevant specification & drawings prior to pricing & it should be his responsibility to complete the said works to the entire satisfaction to the Engineer at no additional cost.</p>				
C.5.1	Supplying & fixing Aluminium powder coated framed single hung door with frame (Approx.size.1070mmx2745mm,D1) .Rate shall include for approved type door closer ,hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	1.00	Nr		

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
C.5.2	Supplying & fixing Aluminium powder coated framed single hung door with frame (Approx.size.840mmx2100mm,D2) .Rate shall include for approved type door closer ,hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	2.00	nos		
C.5.3	Supplying & fixing Aluminium powder coated framed single hung door with frame (Approx.size.840mmx2100mm,D3) .Rate shall include for approved type door closer ,hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	2.00	nos		
C.5.4	Supplying & fixing PVC door with frame (Approx.size.760mmx1980mm,D4)in wash room .Rate shall include for approved type door ,hinges,locks,handles, etc.& necessary masonry (Refer drawing)	1.00	Nr		
C.5.5	Supplying & fixing Aluminium powder coated framed tinted glazed Sliding Window (Approx.size.1830mmx2100mm,W1) .Rate shall include for approved type hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	1.00	Nr		
C.5.6	Supplying & fixing Aluminium powder coated framed tinted glazed Sliding Window (Approx.size.1220mmx1830mm,W2) .Rate shall include for approved type hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	3.00	nos		
C.5.7	Supplying & fixing Aluminium powder coated framed tinted glazed Sliding Window (Approx.size.610mmx1370mm,W3) .Rate shall include for approved type hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	1.00	Nr		
C.5.8	Grill work Supplying and fixing flat 6 mm -(1/4") iron grill to the all windows as per the instruction of engineer.(Rate to include applying one coat of anticorrosive paint and 2 coat of enamel paint and removing of existing iron window grill work)	11.50	m ²		
C.6	PLUMBING WORK				

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
	<p><i>Cost of supplying & fixing of all PVC/UPVC piping work inclusive of specials & minor materials should include to the respective items.</i></p> <p><i>All PVC pipes should confirm to SLS 147 (for water supply type 1000, for water & drainage type 600)</i></p>				
C.6.1	<p>Supplying and fixing White colour & quality ceramic Water Closet "Rocell" complete with 'S' or 'P' trap outlet, double flush close couple complete, white color seat cover suite, flexible connections, fixed water tec 1/2" tap .</p> <p>Rates shall include for all other necessary UPVC pipes all complete to working order.</p> <p>(PVC pipes & specials for water supply is not measured separately)</p>	1.00	Nr		
C.6.2	Supplying and fixing Chromium plated head shower (Watertec) including pipes, and connections to water network. The rate include floor trap, all required fittings for work completion .	1.00	Nr		
C.6.3	Supplying and fixing hand bidet shower "Water Tec" and install(1/2") dia chromium plated angle valve in ground floor and first floor.	1.00	Nr		
C.6.4	Supplying and fixing Nickel plated Soap Tray	1.00	Nr		
C.6.5	Supplying and fixing Nickle plated Single Towel Bar	1.00	Nr		
C.6.6	Supplying and fixing of chromium plated taps as per the engineer's instruction (Rate to include supplying of PVC lines as necessary)	1.00	Nr		
C.6.7	Supplying and fixing of internal size 150mmx150mm stainless steel gully cover to the gully(Rate to include preparation the surfaces of gully)	1.00	Nr		
C.7	ROOFING WORK				
C.7.1	Supplying & laying corrugated asbestos roofing sheets on timber framework with roofing screws or hook bolts.(Roof framework measured seperately).	105.00	m ²		

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
C.7.2	Supplying & fixing square type rigid Zn/Al (0.47 mmThick) eave gutters including necessary joiners ,end caps and running heads and necessary sealent etc.Gutters to be fixed with aluminium brackets are not more than 600mm centers with brass screw nails as per the instruction of the Engineer.	22.00	m		
C.7.3	Supplying & fixing 450mm rigid Zn/Al (0.47 mm Thick) down pipes with necessary sealent including necessary joiners & elbows,pipes to be fixed with approved type clips at not more than 900mm centers with brass screw nails including wooden blocks burried in walls as directed.	30.00	m		
C.7.4	Supplying and fixing approved colour 0.47mm thick 225mm width colour bonded Zn/Al Valance board with necessary screws and other accessories as per the engineer's instruction and rate to include applying sealent necessarily.	22.00	m		
C.7.5	Supplying and Replacing new approved type timber(kempas/balaue or equivalent) rafters(50mmx100mm)with 600mm centers as per the engineer's instruction.Rate to be included removing the existing rafters and applying of 2 coats of wood preservatives as per the engineer's instruction.	81.00	m		
C.7.6	Supplying and Replacing new approved type timber(kempas/balaue or equivalent) battens(50mmx50mm)with 450mm centers as per the engineer's instruction.Rate to be included removing the existing rafters and applying of 2 coats of wood preservatives as per the engineer's instruction.	210.00	m		
C.8	MISCELLANEOUS WORK				
C.8.1	Repairing existing Gate(Approx.size 3800mmx1295mm) as per engineer's instruction.Rate to be include painting with anti-corrosive paint.	1.00	item		
C.8.2	Repairing Boundry wall including painting, preparing of cracks and necessary masonry repairs etc.(Approx.Height-1.3m)	50.00	m		
C.8.3	Repairing existing drainage (Rate to be included for any masonry repairs as per engineer's instruction)	19.00	m		

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
	TOTAL CARRIED TO SUMMARY				
D	HOUSE NO.04				
D.1	DEMOLISION AND DISMANTLING WORK				
	<i>Rate shall include for protection of public and private Building and services. The contractor shall protect, uphold and maintain all water and drain pipes, ducts, sewers, service mains, overhead cables, etc., unless earmarked for demolition, during the execution of the works. The contractor is to make good any damage due to any cause within his control at his own expenses or pay any cost and charges in connection therewith. In cases where the services are to be temporarily terminated or diverted the contractor is to give the necessary notice to the appropriate Authority with the approval of the Employer and arrange for the work to be carried out and pay all costs and charges in connection therewith. Delays to the contract completion time caused by such damage will not be entertained. All removed items to be handed over to CPSTL.</i>				
D.1.1	Removing existing Calicut tile roof covering as per engineer's instruction	105.00	m ²		
D.1.2	Chipping and Removing of existing rendering work in floor area(included wash room area)	53.00	m ²		
D.1.3	Removing and dismantling of existing ceiling with frame work as per engineer's instruction	53.00	m ²		

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
D.1.4	Removing and dismantaling Existing Door(D1) with frame (Approximate size 1067mmx2745mm)	1.00	Nr		
D.1.5	Removing and dismantaling Existing Door(D2) with frame (Approximate size 840mmx2100mm)	2.00	nos		
D.1.6	Removing and dismantaling Existing Door(D3) with frame (Approximate size 840mmx2100mm)	2.00	nos		
D.1.7	Removing and dismantaling Existing Door(D4) with frame (Approximate size 760mmx1980mm)	2.00	nos		
D.1.8	Removing and dismantaling Existing Window(W1) with frame (Approximate size 1830mmx2100mm)	1.00	Nr		
D.1.9	Removing and dismantaling Existing Window(W2) with frame (Approximate size 1220mmx1830mm)	3.00	nos		
D.1.10	Removing and dismantaling Existing Window(W3) with frame (Approximate size 610mmx1370mm)	1.00	Nr		
D.1.11	Removing existing decayed timber Valance board as per engineer's instruction	20.00	m		
D.1.12	Demolish and dismantaling of existing sanitary fittings				
D.1.12.1	Watercloset	2.00	nos		
D.1.12.2	Shower	2.00	nos		
D.1.12.3	Bip tap	2.00	nos		
D.1.13	Removing of existing plastering as per the engineer's instruction.	12.00	m ²		
D.2	WATER PROOFING				
D.2.1	Supplying and applying Barralastic or equivalent water proofing treatment up to 300mm high in internal wall areas of Wash room as per specifications.	1.50	m ²		
D.2.2	Supplying and applying Barralastic or equivalent water proofing treatment up to 300mm high in internal floor areas of Wash room as per specifications.	1.50	m ²		
D.3	CEILING WORK				
D.3.1	Supplying and fixing Asbestos ceiling with class 1 timber coves & fillets with 50mmx50mm approved class 1 timber frame . Under side to existing rafter size of fillet to be 37.5mmx12.5mm size of cove moulding 50mmx50mm as Instructions of Engineer.Rate to include applying wood preservative.	53.00	m ²		

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
D.3.2	Supplying and fixing Asbestos eave ceiling with class 1 timber coves & fillets with 50mmx50mm approved class 1 timber frame . Under side to existing rafter size of fillet to be 37.5mmx12.5mm size of cove moulding 50mmx50mm as Instructions of Engineer.Rate to include applying wood preservative.	47.00	m ²		
D.4	FINISHES				
D.4.1	<u>Plastering</u>				
D.4.1.1	15mm thick 1:5 cement and sand plastering with semi rough finished to existing walls as per the instruction of Engineer.	12.00	m ²		
D.4.2	<u>Painting</u> <i>External painting shall be exterior quality,weathershield, to suit with the environment, climate and location .</i> <i>The bidder shall submit the following details on paint with all technical details and relevant literature along with the bid for approval.</i> <i>Rate for painting shall include for painting to door and window reveals.</i>				
D.4.2.1	Preparing and applying two coats of wall putty and one coat of wall filler and two coats of approved quality and colour emulsion paint(CIC or equivalent) to internal plastered surfaces of walls as directed. Rate shall include for using sand paper to obtain, smooth clear surface and preparing damaged surfaces where necessary as directed by Engineer.	132.00	m ²		
D.4.2.2	Preparing and applying one coat of approved wall filler & two coats of weather shield paint (CIC or equivalent) of approved quality & colour to external plastered walls .Rate to include all necessary masonry repairs with putty and cement grout as per instruction of Engineer.	113.00	m ²		
D.4.2.3	Supplying, preparing & applying approved quality & colour one coat of primer & 2 coats of weather shield paint (CIC or equivalent) to all surface of Ceiling Soffit as directed. Rate shall include for applying approved quality putty & surface preparation using sand paper to obtain smooth clear surface before applying primer coat as directed.	53.00	m ²		

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
D.4.2.4	Supplying, preparing & applying approved quality & colour one coat of primer & 2 coats of weather shield paint (CIC or equivalent) to all surface of Eave Ceiling Soffit as directed. Rate shall include for applying approved quality putty & surface preparation using sand paper to obtain smooth clear surface before applying primer coat as directed.	47.00	m ²		
D.4.2.5	Preparing and applying one coat of approved wall filler & two coats of weather shield paint (CIC or equivalent) of approved quality & colour to plastered walls in internal wash room walls .Rate to include all necessary masonry repairs with putty and cement grout as per instruction of Engineer.	25.00	m ²		
D.4.3	<u>Floor finishes</u>				
	<i>All works must be according to drawings, specification and engineer's instructions. Rates shall include :</i>	Note			
	<i>1. Samples for approval and all the required tests.</i>				
	<i>2. Cleaning, mechanical polishing and pointing using grout existing tiles.</i>				
	<i>All tiles should be in approved quality (Rocell, Lanka tiles or equivalent)</i>	Note			
D.4.3.1	Supplying and placing 50mm thick mass cement concrete (1:3:6) in floor as per the engineer's instruction.	52.00	m ²		
D.4.3.2	20mm thick cement sand (1:3) rendering finished smooth with neat cement floating to floor area as per the engineers instruction	52.00	m ²		
D.4.3.3	Supplying and laying 300mmx300mm ceramic non-slip floor tiles, homogeneous, color & design to entire floor area as instructed. Rate shall include for chipping the floor, removing the dust & clean the surface, level & slopes from horizontal plain, laid with cement slurry & joints finished neat with matching grout. Cleaning tile surface.	1.50	m ²		

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D.4.3.4	Supplying and laying 600mmx300mm ceramic glassed wall tiles, approved color & design to wall area of toilet as instructed. Rate shall include for chipping the wall, removing the dust & clean the surface, level & slopes from horizontal plain, water proofing bedded on cement and sand mortar 1:3, laid with cement slurry & joints finished neat with matching grout. Cleaning tile surface.	7.50	m ²		
D.4.3.5	Supplying and laying of 100mm high cement skirting .	53.00	m		
D.4.3.6	Supplying and fixing of approved colour Aluminium tile beading(with large groove) For wall tiles as per the instruction of Engineer	7.00	m		
D.5	DOORS AND WINDOWS <i>Rate for material work shall include for:</i> <i>All straight cutting & waste,bending fabricating & hoisting ,welding drilling for bolts & bolting ,Rolling margin</i> <i>Samples of materials & testing</i>				
	<u>General Note</u> <i>Aluminium doors shall be supplied with all hardware furniture & fixings.Contractors shall submit to the Engineer shop drawings & technical specifications for the Engineers approval.</i> <u>Material</u> <i>All sections shall be extruded from B-6063-T5 Aluminium Alloy.Door section shall be designed to give a rebated internal & external face.Screws used in the construction of door frames shall be high - tensile steel or a non -corrosive material compatible with Aluminium Door frames should be fabricated with standard Aluminium sections.</i> <u>Construction</u> <i>Corners of all frames shall be:</i> <i>mechanically buttt jointed & assembled with stainless steel screws .Corners of sashes shall be mitre out & assembled with stainless steel screws .All joints shall be well caulked with a thin joint sealant to prevent leakage.All corners in door shall be flush cut out be assembled with high -tensile steel screws.</i> <u>Glazing</u>				

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	<p>Doors shall be glazed with 5mm ,thick polished float glass set on neoprene blocks at sill to ensure accurate position of glass & glazed with neoprene or P.V.C gasket.</p> <p><u>Locks & Handles</u> Locks shall Tale,Viro be equivalent in quality & Multi-pin Cylindrical in design with three spare keys.Quality & function together with a pleasing appearance which the Architect ural features :& type of materials used .Push /pull handles & lock handles of door shall be finished paint coated to approval.</p> <p><u>Powder Coating</u> All Aluminium extrusions shall be powder coated of approved colour & an average thickness of 70 microns in accordance with BS 6496/SLS 1411</p> <p><u>Testing</u></p>				
	<p>It shall be contractors responsibility to check the size of all opening on site,prior to fabrication.All dimensions shown on the drawing shall be verified by actual site measurement before fabrication & installation .Any cutting to enlarge the size of opening & any filleting behind frames required after installation shall be executed by the contractor at his own expense.</p> <p>The contractor should refer to all relevant specification & drawings prior to pricing & it should be his responsibility to complete the said works to the entire satisfaction to the Engineer at no additional cost.</p>				
D.5.1	Supplying & fixing Aluminium powder coated framed single hung door with frame (Approx.size.1070mmx2745mm,D1) .Rate shall include for approved type door closer ,hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	1.00	Nr		
D.5.2	Supplying & fixing Aluminium powder coated framed single hung door with frame (Approx.size.840mmx2100mm,D2) .Rate shall include for approved type door closer ,hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	2.00	nos		

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CEYLON PETROLEUM STORAGE TERMINALS LIMITED

PREMISES & ENGINEERING SERVICES FUNCTION

JOB :PROPOSED RENOVATION FOR THE CPSTL HOUSING UNITS AT GAJABAPURA

Premises & Engineering Services

CPSTL

B.O.Q No:

Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
D.5.3	Supplying & fixing Aluminium powder coated framed single hung door with frame (Approx.size.840mmx2100mm,D3) .Rate shall include for approved type door closer ,hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	2.00	nos		
D.5.4	Supplying & fixing PVC door with frame (Approx.size.760mmx1980mm,D4)in wash room .Rate shall include for approved type door ,hinges,locks,handles, etc.& necessary masonry (Refer drawing)	2.00	nos		
D.5.5	Supplying & fixing Aluminium powder coated framed tinted glazed Sliding Window (Approx.size.1830mmx2100mm,W1) .Rate shall include for approved type hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	1.00	Nr		
D.5.6	Supplying & fixing Aluminium powder coated framed tinted glazed Sliding Window (Approx.size.1220mmx1830mm,W2) .Rate shall include for approved type hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	3.00	nos		
D.5.7	Supplying & fixing Aluminium powder coated framed tinted glazed Sliding Window (Approx.size.610mmx1370mm,W3) .Rate shall include for approved type hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	1.00	Nr		
D.5.8	Grill work Supplying and fixing flat 6 mm -(1/4") iron grill to the all windows as per the instruction of engineer.(Rate to include applying one coat of anticorrosive paint and 2 coat of enamel paint and removing of existing iron window grill work)	11.50	m ²		
D.6	PLUMBING WORK <i>Cost of supplying & fixing of all PVC/UPVC piping work inclusive of specials & minor materials should include to the respective items.</i> <i>All PVC pipes should confirm to SLS 147 (for water supply type 1000, for water & drainage type 600)</i>				

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Premises & Engineering Services

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B.O.Q No:

Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
D.6.1	Supplying and fixing White colour & quality ceramic Water Closet "Rocell" complete with 'S' or 'P' trap outlet, double flush close couple complete, white color seat cover suite, flexible connections, fixed water tec 1/2" tap . Rates shall include for all other necessary UPVC pipes all complete to working order. (PVC pipes & specials for water supply is not measured separately)	2.00	nos		
D.6.2	Supplying and fixing Chromium plated head shower (Watertec) including pipes, and connections to water network. The rate include floor trap, all required fittings for work completion .	2.00	nos		
D.6.3	Supplying and fixing hand bidet shower "Water Tec" and install(1/2") dia chromium plated angle valve in ground floor and first floor.	2.00	nos		
D.6.4	Supplying and fixing Nickel plated Soap Tray	2.00	nos		
D.6.5	Supplying and fixing Nickle plated Single Towel Bar	2.00	nos		
D.6.6	Supplying and fixing of chromium plated taps as per the engineer's instruction (Rate to include supplying of PVC lines as necessary)	2.00	nos		
D.6.7	Supplying and fixing of internal size 150mmx150mm stainless steel gully cover to the gully(Rate to include preparation the surfaces of gulley)	2.00	nos		
D.7	ROOFING WORK				
D.7.1	Supplying & laying corrugated asbestos roofing sheets on timber framework with roofing screws or hook bolts.(Roof framework measured seperately).	105.00	m ²		
D.7.2	Supplying & fixing square type rigid Zn/Al (0.47 mmThick) eave gutters including necessary joiners ,end caps and running heads and necessary sealent etc.Gutters to be fixed with aluminium brackets are not more than 600mm centers with brass screw nails as per the instruction of the Engineer.	22.00	m		
D.7.3	Supplying & fixing 450mm rigid Zn/Al (0.47 mm Thick) down pipes with necessary sealent including necessary joiners & elbows,pipes to be fixed with approved type clips at not more than 900mm centers with brass screw nails including wooden blocks burried in walls as directed.	30.00	m		

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Premises & Engineering Services

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B.O.Q No:

Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
D.7.4	Supplying and fixing approved colour 0.47mm thick 225mm width colour bonded Zn/Al Valance board with necessary screws and other accessories as per the engineer's instruction and rate to include applying sealent necessarily.	22.00	m		
D.7.5	Supplying and Replacing new approved type timber(kempas/balaue or equivalent) rafters(50mmx100mm)with 600mm centers as per the engineer's instruction.Rate to be included removing the existing rafters and applying of 2 coats of wood preservatives as per the engineer's instruction.	81.00	m		
D.7.6	Supplying and Replacing new approved type timber(kempas/balaue or equivalent) battens(50mmx50mm)with 450mm centers as per the engineer's instruction.Rate to be included removing the existing rafters and applying of 2 coats of wood preservatives as per the engineer's instruction.	210.00	m		
D.8	MISCELLANEOUS WORK				
D.8.1	Repairing existing Gate(Approx.size 3350mmx1295mm) as per engineer's instruction.Rate to be include painting with anti-corrosive paint.	1.00	item		
D.8.2	Repairing Boundry wall including painting, preparing of cracks and necessary masonry repairs etc.(Approx.Height-1.3m)	50.00	m		
D.8.3	Repairing existing drainage (Rate to be included for any masonry repairs as per engineer's instruction)	19.00	m		
D.8.4	Repairing existing waste water line in wash room (Rate to be included for any masonry repairs as per engineer's instruction)	1.00	item		
TOTAL CARRIED TO SUMMARY					
E	HOUSE NO.05				
E.1	DEMOLISION AND DISMANTALING WORK				

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
	<i>Rate shall include for protection of public and private Building and services. The contractor shall protect, uphold and maintain all water and drain pipes, ducts, sewers, service mains, overhead cables, etc., unless earmarked for demolition, during the execution of the works. The contractor is to make good any damage due to any cause within his control at his own expenses or pay any cost and charges in connection therewith. In cases where the services are to be temporarily terminated or diverted the contractor is to give the necessary notice to the appropriate Authority with the approval of the Employer and arrange for the work to be carried out and pay all costs and charges in connection therewith. Delays to the contract completion time caused by such damage will not be entertained. All removed items to be handed over to CPSTL.</i>				
E.1.1	Removing existing Calicut tile roof covering as per engineer's instruction	105.00	m ²		
E.1.2	Chipping and Removing of existing rendering work in floor area(included wash room area)	53.00	m ²		
E.1.3	Removing and dismantling of existing ceiling with frame work as per engineer's instruction	53.00	m ²		
E.1.4	Removing and dismantling Existing Door(D1) with frame (Approximate size 1067mmx2745mm)	1.00	Nr		
E.1.5	Removing and dismantling Existing Door(D2) with frame (Approximate size 840mmx2100mm)	2.00	nos		
E.1.6	Removing and dismantling Existing Door(D3) with frame (Approximate size 840mmx2100mm)	2.00	nos		
E.1.7	Removing and dismantling Existing Door(D4) with frame (Approximate size 760mmx1980mm)	1.00	Nr		
E.1.8	Removing and dismantling Existing Window(W1) with frame (Approximate size 1830mmx2100mm)	1.00	Nr		
E.1.9	Removing and dismantling Existing Window(W2) with frame (Approximate size 1220mmx1830mm)	3.00	nos		
E.1.10	Removing and dismantling Existing Window(W3) with frame (Approximate size 610mmx1370mm)	1.00	Nr		
E.1.11	Removing existing decayed timber Valance board as per engineer's instruction	20.00	m		

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B.O.Q No:

Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
E.1.12	Demolish and dismantling of existing sanitary fittings				
E.1.12.1	Watercloset	1.00	Nr		
E.1.12.2	Shower	1.00	Nr		
E.1.12.3	Bip tap	1.00	Nr		
E.1.13	Removing of existing plastering as per the engineer's instruction.	12.00	m ²		
E.2	WATER PROOFING				
E.2.1	Supplying and applying Barralastic or equivalent water proofing treatment up to 300mm high in internal wall areas of Wash room as per specifications.	1.50	m ²		
E.2.2	Supplying and applying Barralastic or equivalent water proofing treatment up to 300mm high in internal floor areas of Wash room as per specifications.	1.50	m ²		
E.3	CEILING WORK				
E.3.1	Supplying and fixing Asbestos ceiling with class 1 timber coves & fillets with 50mmx50mm approved class 1 timber frame . Under side to existing rafter size of fillet to be 37.5mmx12.5mm size of cove moulding 50mmx50mm as Instructions of Engineer.Rate to include applying wood preservative.	53.00	m ²		
E.3.2	Supplying and fixing Asbestos eave ceiling with class 1 timber coves & fillets with 50mmx50mm approved class 1 timber frame . Under side to existing rafter size of fillet to be 37.5mmx12.5mm size of cove moulding 50mmx50mm as Instructions of Engineer.Rate to include applying wood preservative.	47.00	m ²		
E.4	FINISHES				
E.4.1	<u>Plastering</u>				
E.4.1.1	15mm thick 1:5 cement and sand plastering with semi rough finished to existing walls as per the instruction of Engineer.	12.00	m ²		

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
E.4.2	<p><u>Painting</u></p> <p>External painting shall be exterior quality,weathershield, to suit with the environment, climate and location .</p> <p>The bidder shall submit the following details on paint with all technical details and relevant literature along with the bid for approval.</p> <p>Rate for painting shall include for painting to door and window reveals.</p>				
E.4.2.1	Preparing and applying two coats of wall putty and one coat of wall filler and two coats of approved quality and colour emulsion paint(CIC or equivalent) to internal plastered surfaces of walls as directed. Rate shall include for using sand paper to obtain, smooth clear surface and preparing damaged surfaces where necessary as directed by Engineer.	132.00	m ²		
E.4.2.2	Preparing and applying one coat of approved wall filler & two coats of weather shield paint (CIC or equivalent) of approved quality & colour to external plastered walls .Rate to include all necessary masonry repairs with putty and cement grout as per instruction of Engineer.	113.00	m ²		
E.4.2.3	Supplying, preparing & applying approved quality & colour one coat of primer & 2 coats of weather shield paint (CIC or equivalent) to all surface of Ceiling Soffit as directed. Rate shall include for applying approved quality putty & surface preparation using sand paper to obtain smooth clear surface before applying primer coat as directed.	53.00	m ²		
E.4.2.4	Supplying, preparing & applying approved quality & colour one coat of primer & 2 coats of weather shield paint (CIC or equivalent) to all surface of Eave Ceiling Soffit as directed. Rate shall include for applying approved quality putty & surface preparation using sand paper to obtain smooth clear surface before applying primer coat as directed.	47.00	m ²		
E.4.3	<p><u>Floor finishes</u></p> <p>All works must be according to drawings, specification and engineer's instructions. Rates shall include :</p> <p>1. Samples for approval and all the required tests.</p>	Note			

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
	2. Cleaning, mechanical polishing and pointing using grout existing tiles.				
	All tiles should be in approved quality (Rocell, Lanka tiles or equivalent)	Note			
E.4.3.1	Supplying and placing 50mm thick mass cement concrete (1:3:6) in floor as per the engineer's instruction.	52.00	m ²		
E.4.3.2	20mm thick cement sand (1:3) rendering finished smooth with neat cement floating to floor area as per the engineers instruction	52.00	m ²		
E.4.3.3	Supplying and laying 300mmx300mm ceramic non-slip floor tiles, homogeneous, color & design to entire floor area as instructed. Rate shall include for chipping the floor, removing the dust & clean the surface, level & slopes from horizontal plain, laid with cement slurry & joints finished neat with matching grout. Cleaning tile surface.	1.50	m ²		
E.4.3.4	Supplying and laying 600mmx300mm ceramic glassed wall tiles, approved color & design to wall area of toilet as instructed. Rate shall include for chipping the wall, removing the dust & clean the surface, level & slopes from horizontal plain, water proofing bedded on cement and sand mortar 1:3, laid with cement slurry & joints finished neat with matching grout. Cleaning tile surface.	7.50	m ²		
E.4.3.5	Supplying and laying of 100mm high cement skirting .	53.00	m		
E.4.3.6	Supplying and fixing of approved colour Aluminium tile beading(with large groove) For wall tiles as per the instruction of Engineer	7.00	m		
E.5	DOORS AND WINDOWS				
	Rate for material work shall include for: All straight cutting & waste,bending fabricating & hoisting ,welding drilling for bolts & bolting ,Rolling margin Samples of materials & testing				
	<u>General Note</u> Aluminium doors shall be supplied with all hardware furniture & fixings.Contractor shall submit to the Engineer shop drawings & technical specifications for the Engineers approval.				

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	<p><u>Material</u></p> <p>All sections shall be extruded from B-6063-T5 Aluminium Alloy.Door section shall be designed to give a rebated internal & external face.Screws used in the construction of door frames shall be high - tensile steel or a non -corrosive material compatible with Aluminium Door frames should be fabricated with standard Aluminium sections.</p> <p><u>Construction</u></p> <p>Corners of all frames shall be:</p> <p>mechanically buttt jointed & assembled with stainless steel screws .Corners of sashes shall be mitre out & assembled with stainless steel screws .All joints shall be well caulked with a thin joint sealant to prevent leakage.All corners in door shall be flush cut out be assembled with high -tensile steel screws.</p> <p><u>Glazing</u></p>				
E.5.1	<p>Doors shall be glazed with 5mm ,thick polished float glass set on neoprene blocks at sill to ensure accurate position of glass & glazed with neoprene or P.V.C gasket.</p> <p><u>Locks & Handles</u></p> <p>Locks shall Tale,Viro be equivalent in quality & Multi-pin Cylindrical in design with three spare keys.Quality & function together with a pleasing appearance which the Architect ural features :& type of materials used .Push /pull handles & lock handles of door shall be finished paint coated to approval.</p> <p><u>Powder Coating</u></p> <p>All Aluminium extrusions shall be powder coated of approved colour & an average thickness of 70 microns in accordance with BS 6496/SLS 1411</p> <p>The contractor should refer to all relevant specification & drawings prior to pricing & it should be his responsibility to complete the said works to the entire satisfaction to the Engineer at no additional cost.</p> <p>Supplying & fixing Aluminium powder coated framed single hung door with frame (Approx.size.1070mmx2745mm,D1) .Rate shall include for approved type door closer ,hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)</p>	1.00	Nr		

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
E.5.2	Supplying & fixing Aluminium powder coated framed single hung door with frame (Approx.size.840mmx2100mm,D2) .Rate shall include for approved type door closer ,hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	2.00	nos		
E.5.3	Supplying & fixing Aluminium powder coated framed single hung door with frame (Approx.size.840mmx2100mm,D3) .Rate shall include for approved type door closer ,hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	2.00	nos		
E.5.4	Supplying & fixing PVC door with frame (Approx.size.760mmx1980mm,D4)in wash room .Rate shall include for approved type door ,hinges,locks,handles, etc.& necessary masonry (Refer drawing)	1.00	Nr		
E.5.5	Supplying & fixing Aluminium powder coated framed tinted glazed Sliding Window (Approx.size.1830mmx2100mm,W1) .Rate shall include for approved type hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	1.00	Nr		
E.5.6	Supplying & fixing Aluminium powder coated framed tinted glazed Sliding Window (Approx.size.1220mmx1830mm,W2) .Rate shall include for approved type hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	3.00	nos		
E.5.7	Supplying & fixing Aluminium powder coated framed tinted glazed Sliding Window (Approx.size.610mmx1370mm,W3) .Rate shall include for approved type hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	1.00	Nr		
E.5.8	Grill work Supplying and fixing flat 6 mm -(1/4") iron grill to the all windows as per the instruction of engineer.(Rate to include applying one coat of anticorrosive paint and 2 coat of enamel paint and removing of existing iron window grill work)	11.50	m ²		
E.6	PLUMBING WORK				

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
	<p><i>Cost of supplying & fixing of all PVC/UPVC piping work inclusive of specials & minor materials should include to the respective items.</i></p> <p><i>All PVC pipes should confirm to SLS 147 (for water supply type 1000, for water & drainage type 600)</i></p>				
E.6.1	<p>Supplying and fixing White colour & quality ceramic Water Closet "Rocell" complete with 'S' or 'P' trap outlet, double flush close couple complete, white color seat cover suite, flexible connections, fixed water tec 1/2" tap .</p> <p>Rates shall include for all other necessary UPVC pipes all complete to working order.</p> <p>(PVC pipes & specials for water supply is not measured separately)</p>	1.00	Nr		
E.6.2	Supplying and fixing Chromium plated head shower (Watertec) including pipes, and connections to water network. The rate include floor trap, all required fittings for work completion .	1.00	Nr		
E.6.3	Supplying and fixing hand bidet shower "Water Tec" and install(1/2") dia chromium plated angle valve in ground floor and first floor.	1.00	Nr		
E.6.4	Supplying and fixing Nickel plated Soap Tray	1.00	Nr		
E.6.5	Supplying and fixing Nickle plated Single Towel Bar	1.00	Nr		
E.6.6	Supplying and fixing of chromium plated taps as per the engineer's instruction (Rate to include supplying of PVC lines as necessary)	1.00	Nr		
E.6.7	Supplying and fixing of internal size 150mmx150mm stainless steel gully cover to the gully(Rate to include preparation the surfaces of gully)	1.00	Nr		
E.6.8	Supplying and fixing new S/S kitchen sink with swan neck tap as per the engineer's instruction.	1.00	Nr		
E.7	ROOFING WORK				
E.7.1	Supplying & laying corrugated asbestos roofing sheets on timber framework with roofing screws or hook bolts.(Roof framework measured seperately).	105.00	m ²		

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
E.7.2	Supplying & fixing square type rigid Zn/Al (0.47 mmThick) eave gutters including necessary joiners ,end caps and running heads and necessary sealent etc.Gutters to be fixed with aluminium brackets are not more than 600mm centers with brass screw nails as per the instruction of the Engineer.	22.00	m		
E.7.3	Supplying & fixing 450mm rigid Zn/Al (0.47 mm Thick) down pipes with necessary sealent including necessary joiners & elbows,pipes to be fixed with approved type clips at not more than 900mm centers with brass screw nails including wooden blocks burried in walls as directed.	30.00	m		
E.7.4	Supplying and fixing approved colour 0.47mm thick 225mm width colour bonded Zn/Al Valance board with necessary screws and other accessories as per the engineer's instruction and rate to include applying sealent necessarily.	22.00	m		
E.7.5	Supplying and Replacing new approved type timber(kempas/balaue or equivalent) rafters(50mmx100mm)with 600mm centers as per the engineer's instruction.Rate to be included removing the existing rafters and applying of 2 coats of wood preservatives as per the engineer's instruction.	81.00	m		
E.7.6	Supplying and Replacing new approved type timber(kempas/balaue or equivalent) battens(50mmx50mm)with 450mm centers as per the engineer's instruction.Rate to be included removing the existing rafters and applying of 2 coats of wood preservatives as per the engineer's instruction.	210.00	m		
E.8	MISCELLANEOUS WORK				
E.8.1	Repairing existing Gate(Approx.size 3800mmx1295mm) as per engineer's instruction.Rate to be include painting with anti-corrosive paint.	1.00	item		
E.8.2	Repairing Boundry wall including painting, preparing of cracks and necessary masonry repairs etc.(Approx.Height-1.3m)	50.00	m		
E.8.3	Repairing existing drainage cross sectional area 100mmx100mm,(Rate to be included for any masonry repairs as per engineer's instruction)	13.00	m		
TOTAL CARRIED TO SUMMARY					

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
F	HOUSE NO.06 /(No.74)				
F.1	DEMOLISION AND DISMANTALING WORK				
	<i>Rate shall include for protection of public and private Building and services. The contractor shall protect, uphold and maintain all water and drain pipes, ducts, sewers, service mains, overhead cables, etc., unless earmarked for demolition, during the execution of the works. The contractor is to make good any damage due to any cause within his control at his own expenses or pay any cost and charges in connection therewith. In cases where the services are to be temporarily terminated or diverted the contractor is to give the necessary notice to the appropriate Authority with the approval of the Employer and arrange for the work to be carried out and pay all costs and charges in connection therewith. Delays to the contract completion time caused by such damage will not be entertained. All removed items to be handed over to CPSTL.</i>				
F.1.1	Removing existing Calicut tile roof covering as per engineer's instruction	105.00	m ²		
F.1.2	Chipping and Removing of existing rendering work in floor area(included wash room area)	53.00	m ²		
F.1.3	Removing and dismantaling of existing ceiling with frame work as per engineer's instruction	53.00	m ²		
F.1.4	Removing and dismantaling Existing Door(D1) with frame (Approximate size 1067mmx2745mm)	1.00	Nr		
F.1.5	Removing and dismantaling Existing Door(D2) with frame (Approximate size 840mmx2100mm)	2.00	nos		
F.1.6	Removing and dismantaling Existing Door(D3) with frame (Approximate size 840mmx2100mm)	2.00	nos		
F.1.7	Removing and dismantaling Existing Door(D4) with frame (Approximate size 760mmx1980mm)	2.00	nos		
F.1.8	Removing and dismantaling Existing Window(W1) with frame (Approximate size 1830mmx2100mm)	1.00	Nr		
F.1.9	Removing and dismantaling Existing Window(W2) with frame (Approximate size 1220mmx1830mm)	3.00	nos		
F.1.10	Removing and dismantaling Existing Window(W3) with frame (Approximate size 610mmx1370mm)	1.00	Nr		

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
F.1.11	Removing existing decayed timber Valance board as per engineer's instruction	20.00	m		
F.1.12	Demolish and dismantling of existing sanitary fittings				
F.1.12.1	Watercloset	2.00	nos		
F.1.12.2	Shower	2.00	nos		
F.1.12.3	Bip tap	3.00	nos		
F.1.13	Removing of existing plastering as per the engineer's instruction.	12.00	m ²		
F.2	WATER PROOFING				
F.2.1	Supplying and applying Barralastic or equivalent water proofing treatment up to 300mm high in internal wall areas of Wash room as per specifications.	1.50	m ²		
F.2.2	Supplying and applying Barralastic or equivalent water proofing treatment up to 300mm high in internal floor areas of Wash room as per specifications.	1.50	m ²		
F.3	CEILING WORK				
F.3.1	Supplying and fixing Asbestos ceiling with class 1 timber coves & fillets with 50mmx50mm approved class 1 timber frame . Under side to existing rafter size of fillet to be 37.5mmx12.5mm size of cove moulding 50mmx50mm as Instructions of Engineer.Rate to include applying wood preservative.	53.00	m ²		
F.3.2	Supplying and fixing Asbestos eave ceiling with class 1 timber coves & fillets with 50mmx50mm approved class 1 timber frame . Under side to existing rafter size of fillet to be 37.5mmx12.5mm size of cove moulding 50mmx50mm as Instructions of Engineer.Rate to include applying wood preservative.	47.00	m ²		
F.4	FINISHES				
F.4.1	<u>Plastering</u>				
F.4.1.1	15mm thick 1:5 cement and sand plastering with semi rough finished to existing walls as per the instruction of Engineer.	12.00	m ²		
F.4.2	<u>Painting</u>				

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CEYLON PETROLEUM STORAGE TERMINALS LIMITED

PREMISES & ENGINEERING SERVICES FUNCTION

JOB :PROPOSED RENOVATION FOR THE CPSTL HOUSING UNITS AT GAJABAPURA

Premises & Engineering Services

CPSTL

B.O.Q No:

Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
F.4.2.1	<p><i>External painting shall be exterior quality,weathershield, to suit with the environment, climate and location .</i></p> <p><i>The bidder shall submit the following details on paint with all technical details and relevant literature along with the bid for approval.</i></p> <p><i>Rate for painting shall include for painting to door and window reveals.</i></p> <p>Preparing and applying two coats of wall putty and one coat of wall filler and two coats of approved quality and colour emulsion paint(CIC or equivalent) to internal plastered surfaces of walls as directed. Rate shall include for using sand paper to obtain, smooth clear surface and preparing damaged surfaces where necessary as directed by Engineer.</p>	132.00	m ²		
F.4.2.2	Preparing and applying one coat of approved wall filler & two coats of weather shield paint (CIC or equivalent) of approved quality & colour to external plastered walls .Rate to include all necessary masonry repairs with putty and cement grout as per instruction of Engineer.	113.00	m ²		
F.4.2.3	Supplying, preparing & applying approved quality & colour one coat of primer & 2 coats of weather shield paint (CIC or equivalent) to all surface of Ceiling Soffit as directed. Rate shall include for applying approved quality putty & surface preparation using sand paper to obtain smooth clear surface before applying primer coat as directed.	53.00	m ²		
F.4.2.4	Supplying, preparing & applying approved quality & colour one coat of primer & 2 coats of weather shield paint (CIC or equivalent) to all surface of Eave Ceiling Soffit as directed. Rate shall include for applying approved quality putty & surface preparation using sand paper to obtain smooth clear surface before applying primer coat as directed.	47.00	m ²		
F.4.3	<p><u>Floor finishes</u></p> <p><i>All works must be according to drawings, specification and engineer's instructions. Rates shall include :</i></p> <p><i>1. Samples for approval and all the required tests.</i></p> <p><i>2. Cleaning, mechanical polishing and pointing using grout existing tiles.</i></p>	Note			

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
	<i>All tiles should be in approved quality (Rocell, Lanka tiles or equivalent)</i>	<i>Note</i>			
F.4.3.1	Supplying and placing 50mm thick mass cement concrete (1:3:6) in floor as per the engineer's instruction.	52.00	m ²		
F.4.3.2	20mm thick cement sand (1:3) rendering finished smooth with neat cement floating to floor area as per the engineers instruction	52.00	m ²		
F.4.3.3	Supplying and laying 300mmx300mm ceramic non-slip floor tiles, homogeneous, color & design to washroom floor area as instructed. Rate shall include for chipping the floor, removing the dust & clean the surface, level & slopes from horizontal plain, laid with cement slurry & joints finished neat with matching grout. Cleaning tile surface.	10.00	m ²		
F.4.3.4	Supplying and laying 600mmx300mm ceramic glassed wall tiles, approved color & design to wall area of toilet as instructed. Rate shall include for chipping the wall, removing the dust & clean the surface, level & slopes from horizontal plain, water proofing bedded on cement and sand mortar 1:3, laid with cement slurry & joints finished neat with matching grout. Cleaning tile surface.	26.00	m ²		
F.4.3.5	Supplying and laying of 100mm high cement skirting .	53.00	m		
F.4.3.6	Supplying and fixing of approved colour Aluminium tile beading(with large groove) For wall tiles as per the instruction of Engineer	7.00	m		
F.5	DOORS AND WINDOWS				
	<i>Rate for material work shall include for:</i> <i>All straight cutting & waste,bending fabricating & hoisting ,welding drilling for bolts & bolting ,Rolling margin</i> <i>Samples of materials & testing</i> <i>General Note</i> <i>Aluminium doors shall be supplied with all hardware furniture & fixings.Contractractor shall submit to the Engineer shop drawings & technical specifications for the Engineers approval.</i> <i>Material</i>				

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
	<p>All sections shall be extruded from B-6063-T5 Aluminium Alloy.Door section shall be designed to give a rebated internal & external face.Screws used in the construction of door frames shall be high - tensile steel or a non -corrosive material compatible with Aluminium Door frames should be fabricated with standard Aluminium sections.</p> <p><u>Construction</u> Corners of all frames shall be: mechanically buttt jointed & assembled with stainless steel screws .Corners of sashes shall be mitre out & assembled with stainless steel screws .All joints shall be well caulked with a thin joint sealant to prevent leakage.All corners in door shall be flush cut out be assembled with high -tensile steel screws.</p> <p><u>Glazing</u></p>				
	<p>Doors shall be glazed with 5mm ,thick polished float glass set on neoprene blocks at sill to ensure accurate position of glass & glazed with neoprene or P.V.C gasket.</p> <p><u>Locks & Handles</u> Locks shall Tale,Viro be equivalent in quality & Multi-pin Cylindrical in design with three spare keys.Quality & function together with a pleasing appearance which the Architect ural features :& type of materials used .Push /pull handles & lock handles of door shall be finished paint coated to approval.</p> <p><u>Powder Coating</u> All Aluminium extrusions shall be powder coated of approved colour & an average thickness of 70 microns in accordance with BS 6496/SLS 1411</p> <p><u>Testing</u> It shall be contractors responsibility to check the size of all opening on site,prior to fabrication.All dimensions shown on the drawing shall be verified by actual site measurement before fabrication & installation .Any cutting to enlarge the size of opening & any filleting behind frames required after installation shall be executed by the contractor at his own expense.</p> <p>The contractor should refer to all relevant specification & drawings prior to pricing & it should be his responsibility to complete the said works to the entire satisfaction to the Engineer at no additional cost.</p>				

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
F.5.1	Supplying & fixing Aluminium powder coated framed single hung door with frame (Approx.size.1070mmx2745mm,D1) .Rate shall include for approved type door closer ,hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	1.00	Nr		
F.5.2	Supplying & fixing Aluminium powder coated framed single hung door with frame (Approx.size.840mmx2100mm,D2) .Rate shall include for approved type door closer ,hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	2.00	nos		
F.5.3	Supplying & fixing Aluminium powder coated framed single hung door with frame (Approx.size.840mmx2100mm,D3) .Rate shall include for approved type door closer ,hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	2.00	nos		
F.5.4	Supplying & fixing PVC door with frame (Approx.size.760mmx1980mm,D4)in wash room .Rate shall include for approved type door ,hinges,locks,handles, etc.& necessary masonry (Refer drawing)	1.00	Nr		
F.5.5	Supplying & fixing Aluminium powder coated framed tinted glazed Sliding Window (Approx.size.1830mmx2100mm,W1) .Rate shall include for approved type hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	1.00	Nr		
F.5.6	Supplying & fixing Aluminium powder coated framed tinted glazed Sliding Window (Approx.size.1220mmx1830mm,W2) .Rate shall include for approved type hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	3.00	nos		
F.5.7	Supplying & fixing Aluminium powder coated framed tinted glazed Sliding Window (Approx.size.610mmx1370mm,W3) .Rate shall include for approved type hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	1.00	Nr		

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
F.5.8	Grill work Supplying and fixing flat 6 mm -(1/4") iron grill to the all windows as per the instruction of engineer.(Rate to include applying one coat of anticorrosive paint and 2 coat of enamel paint and removing of existing iron window grill work)	11.50	m ²		
F.6	PLUMBING WORK <i>Cost of supplying & fixing of all PVC/UPVC piping work inclusive of specials & minor materials should include to the respective items.</i> <i>All PVC pipes should confirm to SLS 147 (for water supply type 1000, for water & drainage type 600)</i>				
F.6.1	Supplying and fixing White colour & quality ceramic Water Closet "Rocell" complete with 'S' or 'P' trap outlet, double flush close couple complete, white color seat cover suite, flexible connections, fixed water tec 1/2" tap . Rates shall include for all other necessary UPVC pipes all complete to working order. (PVC pipes & specials for water supply is not measured separately)	2.00	nos		
F.6.2	Supplying and fixing Chromium plated head shower (Watertec) including pipes, and connections to water network. The rate include floor trap, all required fittings for work completion .	2.00	nos		
F.6.3	Supplying and fixing hand bidet shower "Water Tec" and install(1/2") dia chromium plated angle valve in ground floor and first floor.	2.00	nos		
F.6.4	Supplying and fixing Nickel plated Soap Tray	2.00	nos		
F.6.5	Supplying and fixing Nickle plated Single Towel Bar	2.00	nos		
F.6.6	Supplying and fixing of chromium plated taps as per the engineer's instruction (Rate to include supplying of PVC lines as necessary)	2.00	nos		
F.6.7	Supplying and fixing of internal size 150mmx150mm stainless steel gully cover to the gully(Rate to include preparation the surfaces of gully)	2.00	nos		
F.7	ROOFING WORK				

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B.O.Q No:

Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
F.7.1	Supplying & laying corrugated asbestos roofing sheets on timber framework with roofing screws or hook bolts.(Roof framework measured seperately).	105.00	m ²		
F.7.2	Supplying & fixing square type rigid Zn/Al (0.47 mmThick) eave gutters including necessary joiners ,end caps and running heads and necessary sealent etc.Gutters to be fixed with aluminium brackets are not more than 600mm centers with brass screw nails as per the instruction of the Engineer.	22.00	m		
F.7.3	Supplying & fixing 450mm rigid Zn/Al (0.47 mm Thick) down pipes with necessary sealent including necessary joiners & elbows,pipes to be fixed with approved type clips at not more than 900mm centers with brass screw nails including wooden blocks burried in walls as directed.	30.00	m		
F.7.4	Supplying and fixing approved colour 0.47mm thick 225mm width colour bonded Zn/Al Valance board with necessary screws and other accessories as per the engineer's instruction and rate to include applying sealent necessarily.	22.00	m		
F.7.5	Supplying and Replacing new approved type timber(kempas/balaue or equivalent) rafters(50mmx100mm)with 600mm centers as per the engineer's instruction.Rate to be included removing the existing rafters and applying of 2 coats of wood preservatives as per the engineer's instruction.	81.00	m		
F.7.6	Supplying and Replacing new approved type timber(kempas/balaue or equivalent) battens(50mmx50mm)with 450mm centers as per the engineer's instruction.Rate to be included removing the existing rafters and applying of 2 coats of wood preservatives as per the engineer's instruction.	210.00	m		
F.8	MISCELLANEOUS WORK				
F.8.1	Repairing existing Gate(Approx.size 3800mmx1295mm) as per engineer's instruction.Rate to be include painting with anti-corrosive paint.	1.00	item		
F.8.2	Repairing Boundry wall including painting, preparing of cracks and necessary masonry repairs etc.(Approx.Height-1.3m)	50.00	m		

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Proposed modification for the Housing scheme in Gajabapura

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
G.1.4	Removing and dismantaling Existing Door(D2) with frame (Approximate size 760mmx2100mm)	2.00	nos		
G.1.5	Removing and dismantaling Existing Door(D3) with frame (Approximate size 900mmx2100mm)	2.00	nos		
G.1.6	Removing and dismantaling Existing Door(D4) with frame (Approximate size 600mmx2590mm)	1.00	Nr		
G.1.7	Removing and dismantaling Existing Window(W1) with frame (Approximate size 1830mmx2100mm)	1.00	Nr		
G.1.8	Removing and dismantaling Existing Window(W2) with frame (Approximate size 1290mmx1800mm)	3.00	nos		
G.1.9	Removing and dismantaling Existing Window(W3) with frame (Approximate size 600mmx760mm)	1.00	Nr		
G.1.10	Removing existing decayed timber Valance board as per engineer's instruction	20.00	m		
G.1.11	Demolish and dismantaling of existing sanitary fittings				
G.1.11.1	Watercloset	1.00	Nr		
G.1.11.2	Shower	1.00	Nr		
G.1.11.3	Bip tap	1.00	Nr		
G.1.12	Dismantaling of Existing Gate Approx.size 1090mmx1220mm	1.00	Nr		
G.1.13	Demolishing of existing boundry wall to fix new Gate as per the engineer's instruction.	4.00	m ²		
G.1.14	Removing of existing plastering as per the engineer's instruction.	12.00	m ²		
G.2	WATER PROOFING				
G.2.1	Supplying and applying Barralastic or equivalent water proofing treatment up to 300mm high in internal wall areas of Wash room as per specifications.	1.50	m ²		
G.2.2	Supplying and applying Barralastic or equivalent water proofing treatment up to 300mm high in internal floor areas of Wash room as per specifications.	1.50	m ²		
G.3	CEILING WORK				

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
G.3.1	Supplying and fixing Asbestos eave ceiling with class 1 timber coves & fillets with 50mmx50mm approved class 1 timber frame . Under side to existing rafter size of fillet to be 37.5mmx12.5mm size of cove moulding 50mmx50mm as Instructions of Engineer.Rate to include applying wood preservative.	47.00	m ²		
G.4	FINISHES				
G.4.1	<u>Plastering</u>				
G.4.1.1	15mm thick 1:5 cement and sand plastering with semi rough finished to existing walls as per the instruction of Engineer.	12.00	m ²		
G.4.2	<u>Painting</u> <i>External painting shall be exterior quality,weathershield, to suit with the environment, climate and location .</i> <i>The bidder shall submit the following details on paint with all technical details and relevant literature along with the bid for approval.</i> <i>Rate for painting shall include for painting to door and window reveals.</i>				
G.4.2.1	Preparing and applying two coats of wall putty and one coat of wall filler and two coats of approved quality and colour emulsion paint(CIC or equivalent) to internal plastered surfaces of walls as directed. Rate shall include for using sand paper to obtain, smooth clear surface and preparing damaged surfaces where necessary as directed by Engineer.	132.00	m ²		
G.4.2.2	Preparing and applying one coat of approved wall filler & two coats of weather shield paint (CIC or equivalent) of approved quality & colour to external plastered walls .Rate to include all necessary masonry repairs with putty and cement grout as per instruction of Engineer.	113.00	m ²		
G.4.2.3	Supplying, preparing & applying approved quality & colour one coat of primer & 2 coats of weather shield paint (CIC or equivalent) to all surface of Ceiling Soffit as directed. Rate shall include for applying approved quality putty & surface preparation using sand paper to obtain smooth clear surface before applying primer coat as directed.	53.00	m ²		

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
G.4.2.4	Supplying, preparing & applying approved quality & colour one coat of primer & 2 coats of weather shield paint (CIC or equivalent) to all surface of Eave Ceiling Soffit as directed. Rate shall include for applying approved quality putty & surface preparation using sand paper to obtain smooth clear surface before applying primer coat as directed.	47.00	m ²		
G.4.3	<u>Floor finishes</u> <i>All works must be according to drawings, specification and engineer's instructions. Rates shall include :</i> <i>1. Samples for approval and all the required tests.</i> <i>2. Cleaning, mechanical polishing and pointing using grout existing tiles.</i> <i>All tiles should be in approved quality (Rocell, Lanka tiles or equivalent)</i>	Note			
G.4.3.1	Supplying and placing 50mm thick mass cement concrete (1:3:6) in floor as per the engineer's instruction.	52.00	m ²		
G.4.3.2	20mm thick cement sand (1:3) rendering finished smooth with neat cement floating to floor area as per the engineers instruction	52.00	m ²		
G.4.3.3	Supplying and laying 300mmx300mm ceramic non-slip floor tiles, homogeneous, color & design to entire floor area as instructed. Rate shall include for chipping the floor, removing the dust & clean the surface, level & slopes from horizontal plain, laid with cement slurry & joints finished neat with matching grout. Cleaning tile surface.	1.50	m ²		
G.4.3.4	Supplying and laying 600mmx300mm ceramic glassed wall tiles, approved color & design to wall area of toilet as instructed. Rate shall include for chipping the wall, removing the dust & clean the surface, level & slopes from horizontal plain, water proofing bedded on cement and sand mortar 1:3, laid with cement slurry & joints finished neat with matching grout. Cleaning tile surface.	7.50	m ²		
G.4.3.5	Supplying and laying of 100mm high cement skirting .	53.00	m		

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
G.4.3.6	Supplying and fixing of approved colour Aluminium tile beading(with large groove) For wall tiles as per the instruction of Engineer	7.00	m		
G.5	<p>DOORS AND WINDOWS</p> <p><i>Rate for material work shall include for:</i> <i>All straight cutting & waste,bending fabricating & hoisting ,welding drilling for bolts & bolting ,Rolling margin</i> <i>Samples of materials & testing</i></p> <p><u>General Note</u> <i>Aluminium doors shall be supplied with all hardware furniture & fixings.Contractors shall submit to the Engineer shop drawings & technical specifications for the Engineers approval.</i></p> <p><u>Material</u> <i>All sections shall be extruded from B-6063-T5 Aluminium Alloy.Door section shall be designed to give a rebated internal & external face.Screws used in the construction of door frames shall be high - tensile steel or a non -corrosive material compatible with Aluminium Door frames should be fabricated with standard Aluminium sections.</i></p> <p><u>Construction</u> <i>Corners of all frames shall be:</i></p> <p><i>mechanically buttt jointed & assembled with stainless steel screws .Corners of sashes shall be mitre out & assembled with stainless steel screws .All joints shall be well caulked with a thin joint sealant to prevent leakage.All corners in door shall be flush cut out be assembled with high -tensile steel screws.</i></p> <p><u>Glazing</u> <i>Doors shall be glazed with 5mm ,thick polished float glass set on neoprene blocks at sill to ensure accurate position of glass & glazed with neoprene or P.V.C gasket.</i></p> <p><u>Locks & Handles</u> <i>Locks shall Tale,Viro be equivalent in quality & Multi-pin Cylindrical in design with three spare keys.Quality & function together with a pleasing appearance which the Architect ural features :& type of materials used .Push /pull handles & lock handles of door shall be finished paint coated to approval.</i></p> <p><u>Powder Coating</u></p>				

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	<p><i>All Aluminium extrusions shall be powder coated of approved colour & an average thickness of 70 microns in accordance with BS 6496/SLS 1411</i></p> <p><u>Testing</u></p> <p><i>It shall be contractors responsibility to check the size of all opening on site,prior to fabrication.All dimensions shown on the drawing shall be verified by actual site measurement before fabrication & installation .Any cutting to enlarge the size of opening & any filleting behind frames required after installation shall be executed by the contractor at his own expense.</i></p> <p><i>The contractor should refer to all relevant specification & drawings prior to pricing & it should be his responsibility to complete the said works to the entire satisfaction to the Engineer at no additional cost.</i></p>				
G.5.1	Supplying & fixing Aluminium powder coated framed single hung door with frame (Approx.size.1070mmx2745mm,D1) .Rate shall include for approved type door closer ,hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	1.00	Nr		
G.5.2	Supplying & fixing Aluminium powder coated framed single hung door with frame (Approx.size.840mmx2100mm,D2) .Rate shall include for approved type door closer ,hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	2.00	nos		
G.5.3	Supplying & fixing Aluminium powder coated framed single hung door with frame (Approx.size.840mmx2100mm,D3) .Rate shall include for approved type door closer ,hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	2.00	nos		
G.5.4	Supplying & fixing PVC door with frame (Approx.size.760mmx1980mm,D4)in wash room .Rate shall include for approved type door ,hinges,locks,handles, etc.& necessary masonry (Refer drawing)	1.00	Nr		

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
G.5.5	Supplying & fixing Aluminium powder coated framed tinted glazed Sliding Window (Approx.size.1830mmx2100mm,W1) .Rate shall include for approved type hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	1.00	Nr		
G.5.6	Supplying & fixing Aluminium powder coated framed tinted glazed Sliding Window (Approx.size.1220mmx1830mm,W2) .Rate shall include for approved type hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	3.00	nos		
G.5.7	Supplying & fixing Aluminium powder coated framed tinted glazed Sliding Window (Approx.size.610mmx1370mm,W3) .Rate shall include for approved type hinges,locks,handles,gasket etc.& necessary masonry repairs with paint touch up for good finish as directed (Refer drawing)	1.00	Nr		
G.5.8	Grill work Supplying and fixing flat 6 mm -(1/4") iron grill to the all windows as per the instruction of engineer.(Rate to include applying one coat of anticorrosive paint and 2 coat of enamel paint and removing of existing iron window grill work)	11.50	m ²		
G.6	PLUMBING WORK <i>Cost of supplying & fixing of all PVC/UPVC piping work inclusive of specials & minor materials should include to the respective items.</i> <i>All PVC pipes should confirm to SLS 147 (for water supply type 1000, for water & drainage type 600)</i>				
G.6.1	Supplying and fixing White colour & quality ceramic Water Closet "Rocell" complete with 'S' or 'P' trap outlet, double flush close couple complete, white color seat cover suite, flexible connections, fixed water tec 1/2" tap . Rates shall include for all other necessary UPVC pipes all complete to working order. (PVC pipes & specials for water supply is not measured separately)	1.00	Nr		

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Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
G.6.2	Supplying and fixing Chromium plated head shower (Watertec) including pipes, and connections to water network. The rate include floor trap, all required fittings for work completion .	1.00	Nr		
G.6.3	Supplying and fixing hand bidet shower "Water Tec" and install(1/2") dia chromium plated angle valve in ground floor and first floor.	1.00	Nr		
G.6.4	Supplying and fixing Nickel plated Soap Tray	1.00	Nr		
G.6.5	Supplying and fixing Nickle plated Single Towel Bar	1.00	Nr		
G.6.6	Supplying and fixing of chromium plated taps as per the engineer's instruction (Rate to include supplying of PVC lines as necessary)	1.00	Nr		
G.6.7	Supplying and fixing of internal size 150mmx150mm stainless steel gully cover to the gully(Rate to include preparation the surfaces of gulley)	1.00	Nr		
G.7	ROOFING WORK				
G.7.1	Supplying & laying corrugated asbestos roofing sheets on timber framework with roofing screws or hook bolts.(Roof framework measured seperately).	115.00	m ²		
G.7.2	Supplying & fixing square type rigid Zn/Al (0.47 mmThick) eave gutters including necessary joiners ,end caps and running heads and necessary sealent etc.Gutters to be fixed with aluminium brackets are not more than 600mm centers with brass screw nails as per the instruction of the Engineer.	22.00	m		
G.7.3	Supplying & fixing 450mm rigid Zn/Al (0.47 mm Thick) down pipes with necessary sealent including necessary joiners & elbows,pipes to be fixed with approved type clips at not more than 900mm centers with brass screw nails including wooden blocks burried in walls as directed.	30.00	m		
G.7.4	Supplying and fixing approved colour 0.47mm thick 225mm width colour bonded Zn/Al Valance board with necessary screws and other accessories as per the engineer's instruction and rate to include applying sealent necessarily.	22.00	m		

BILL OF QUANTITIES

CEYLON PETROLEUM STORAGE TERMINALS LIMITED

PREMISES & ENGINEERING SERVICES FUNCTION

JOB :PROPOSED RENOVATION FOR THE CPSTL HOUSING UNITS AT GAJABAPURA

Premises & Engineering Services

CPSTL

B.O.Q No:

Item	Description	Qty.	Unit	Rate(Rs.)	Amount(Rs.)
G.7.5	Supplying and Replacing new approved type timber(kempas/balaue or equivalent) rafters(50mmx100mm)with 600mm centers as per the engineer's instruction.Rate to be included removing the existing rafters and applying of 2 coats of wood preservatives as per the engineer's instruction.	86.00	m		
G.7.6	Supplying and Replacing new approved type timber(kempas/balaue or equivalent) battens(50mmx50mm)with 450mm centers as per the engineer's instruction.Rate to be included removing the existing rafters and applying of 2 coats of wood preservatives as per the engineer's instruction.	215.00	m		
G.8	MISCELLANEOUS WORK				
G.8.1	Supplying and fixing new Gate(Approx.size 4270mmx1220mm) as per engineer's instruction.Rate to be include painting with anti-corrosive paint.	1.00	item		
G.8.2	Repairing Boundry wall including painting, preparing of cracks and necessary masonry repairs etc.(Approx.Height-1.3m)	50.00	m		
G.8.3	Constructing of new Garrage which attach to infront of house roof covering with 0.47 mm thick Zn/Al sheets and 4 nos of 65 mm dia.heavy duty GI posts and 40mm dia. Heavy duty GI frame work as per engineer's instruction.Rate to be included making floor area with 75 mm thick 1:2:4 concrete (G20) (Approx.area 20m2)	1.00	item		
G.8.4	Repairing existing drainage cross sectional area 225mmx225mm,(Rate to be included for any masonry repairs as per engineer's instruction)	10.00	m		
TOTAL CARRIED TO SUMMARY					

CEYLON PETROLEUM STORAGE TERMINALS LIMITED
 PREMISES & ENGINEERING SERVICES FUNCTION
JOB :PROPOSED RENOVATION FOR THE CPSTL HOUSING UNITS AT GAJABAPURA

GRAND SUMMARY

ITEM	DESCRIPTION	AMOUNT (Rs)
A	HOUSE NO.01	
B	HOUSE NO.02	
C	HOUSE NO.03	
D	HOUSE NO.04	
E	HOUSE NO.05	
F	HOUSE NO.06/No.74	
G	HOUSE NO.07/No.75	
	TOTAL AMOUNT	
	OTHER TAXES	
	VAT (15%)	
	TOTAL AMOUNT WITH VAT + TAXES (Rs)	

VAT registration No :

Total Amount in words :
 (without VAT)

Name of Tenderer :

Address :

(If Tender is not registered for VAT he should furnished a letter obtained from the commissioner of inland Revenue Department certifying that the Company has not been registered for VAT)

.....
 Signature of Tender

.....
 Date