

**DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA**

**MINISTRY OF HEALTH & MASS MEDIA**

**TEACHING HOSPITAL, PERADENIYA**

**COLOUR WASHING & REPAIRING WORKS AT JMO  
BUILDING PREMISES**

**CONTRACT NO: THP/AD/33/2025**

**BIDDING DOCUMENT**

**Volume II**

**Invitation for Bids**

**Section 04     -     Form of Bid and Qualification Information**

**Section 07     -     Bill of Quantities**

**Contractor .....**

**CONSULTANT**

CENTRAL ENGINEERING CONSULTANCY BUREAU  
415, BAUDDHALOKA MAWATHA,  
COLOMBO 07.

**CLIENT**

MINISTRY OF HEALTH & MASS MEDIA  
“ SUWASIRIPAYA “  
385, REV BADDEGAMA WIMLAWANSA THERO  
MAWATHA  
COLOMBO 10.

# **C O N T E N T S**

	<b>Page</b>
Invitation for Bidders	2
Section 4 - Form of Bid and Qualification Information	4
Form of Bid	5
Qualification Information	6
Section 7 - Bill of Quantities Technical and Other Schedules	15
Preambles to Bill of Quantities	16
Bill of Quantities	18

# **INVITATION FOR BIDS**

## 1. Invitation for Bids (IFB)

1. The Chairman, Regional Procurement committee, Teaching Hospital Peradeniya on behalf of the Teaching Hospital, Peradeniya now invites sealed bids for **Colour Washing & Repairing Works at JMO Building Premises** as described below and estimated to cost Rupees 5.51M. (excluding VAT & Contingencies).

The Site is Located at the premises of Teaching Hospital, Peradeniya. Work to be carried out are mainly comprise of Demolisher, Masonry Work, Wall Finishes, Floor Finishes, Roof Work, Ceiling Work, Painter, Plumber, Wood Work, Aluminum Works, Electrical Work Miscellaneous Works...etc. (For more detail refer BOQ).

The contract period will be 90 Days.

2. Bidding will be conducted through National Competitive Bidding Procedure.
3. To be eligible for contract award, the successful bidder shall not have been blacklisted and shall meet the following requirements.

CIDA (ICTAD) Registration Required:

Speciality: **Building**

Grade : **C8 or above**

4. Qualification requirements to qualify for contract award include:
  - (a) Technical staff at site to be
    1. One Technical Assistant (Civil, full time on site) – NCT or equivalent with 3 year experience.
  - (b) Contractor has successfully completed at least two projects similar to this by value and complexity during last five years
  - (c) As the estimate cost for the procurement exceeds the Rs.5 million the bidder shall register at the registrar of Public Contract Sri Lanka at the time of submission of bids (PCA 3) and forward the certificate
5. You may obtain further information from Director, Teaching Hospital, Peradeniya, Tel. No. 081 - 3990312 and inspect the bidding documents at the address given below from 09.00 hrs to 14.00 hrs.
6. A complete set of Bidding Documents in English language may be purchased by you on the submission of a written application to the address given below, from 2025.08.22 until 2025.09.11 from 09.00 hrs to 14.00 hrs or download the bidding document browsing [www.peradeniya-hospital.health.gov.lk](http://www.peradeniya-hospital.health.gov.lk) upon payment of a non-refundable fee of Rs. 2,500.00
7. Bids shall be delivered to the address below on or before 10.30 hrs on 2025.09.12. Late bids will be rejected. Bids will be opened soon after closing in the presence of the bidders' representatives who choose to attend.

8. All bids shall be accompanied by a Bid Security of Rupees **eighty three thousand (Rs 83,000.00) only**. The Bid Security shall be valid up to **105 Days** from the closing date of the bid (including closing date of bid).
9. Bids shall be valid up to 77 Days.
10. The addressed referred to above is,  
Chairman,  
Regional Procurement committee,  
Teaching Hospital  
Peradeniya,  
Tel 081 - 3990312

SECTION – 4

**FORM OF BID AND QUALIFICATION  
INFORMATION**

## FORM OF BID

Name of Contract **Colour Washing & Repairing Works at JMO Building Premises**

Beneficiary: :Director,  
Teaching Hospital,  
Peradeniya.

Gentlemen,

1. Having examined the Conditions of Contract given in the Standard Bidding Document – Procurement of Works – Minor Contracts (ICTAD/SBD/03-First edition, September 2003 and Addendum issued in January 2006), Schedule, Specifications, Bill of Quantities, Drawings and Addenda for the execution of the above named Works, we the undersigned, offer to execute and complete such Works and remedy any defect therein in conformity with the aforesaid Conditions of Contract, Schedule, Specifications, Bill of Quantities, Drawings and Addenda for the sum of Sri Lankan Rupees (without VAT) ..... (SL Rs. ....), or such other sums as may be ascertained in accordance with the said Conditions.
2. We acknowledge that the “Schedule” forms part of our Bid.
3. We undertake, if our Bid is accepted, to commence the Works as stipulated in the Schedule, and to complete the whole of the Works comprised in the Contract within the time stated in the Schedule.
4. We agree to abide by this Bid for a period of 77 days from the date fixed for receiving, or any extended period, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
5. Unless and until a formal Agreement is prepared and executed, this Bid together with your written acceptance thereof, shall constitute a binding contract between us.
6. We understand that you are not bound to accept the lowest or any Bid you may receive.

Dated this ..... day of ..... 2025 in the capacity of .....  
....., duly authorized to sign Bids for and on behalf of .....  
..... (*IN BLOCK CAPITALS*)

Signature:

Address:

.....  
.....

Witness

## **QUALIFICATION INFORMATION**

*(To be completed by the Bidder and submitted with the bid)*

	<b>Eligibility Requirement</b>	<b>Bidder's Qualification</b>
<b>ICTAD(CIDA) Registration</b>	<i>(attach copies of relevant pages from the registration book)</i>	
Registration Number		
Grade	<b>C8 or above</b>	
Specialty	<b>Building</b>	
Expiry Date		
<b>Blacklisted Contractors</b>		
Have you been declared as a defaulted contractor by NPA or any Agency?		Yes / No
<b>If yes provide details</b>		
<b>VAT Registration Number *</b>		
<b>Construction program</b>	<i>(attach as annex)</i>	
<b>Legal Status</b>	<i>(Public company /Private company / Partnership / Sole proprietor ) - attach relevant copies as annex</i>	
	<b>Eligibility Requirement</b>	<b>Bidder's Qualification</b>
<b>Qualification an experience of key staff(attach relevant certificates)</b>	Category, Experiences and Qualifications	Required Nos.
	Technical Assistant (civil – full time in site) – NCT or equivalent with 03 year experience.	01
<b>Value of similar works completed in last 5 years (Indicate only three largest projects)</b>	1. Value Rs..... Year ..... 2. Value Rs..... Year ..... 3. Value Rs..... Year ..... (Attach certified copies of certificate of completion)	
<b>As the estimate cost for the procurement exceeds the Rs.5 million the bidder shall register at the registrar of Public Contract Sri Lanka at the time of submission of bids (PCA 3) and forward the certificate</b>		

Signature of the Bidder: .....



SECTION - 7

**BILL OF QUANTITIES**

## **PREAMBLE TO THE BILL OF QUANTITIES**

1. The Conditions of Contract, the Specifications are to be read in conjunction with the Bill of Quantities.
2. The cost of complying with all conditions, obligations and liabilities described in the Conditions of Contract and the Specifications and the Bill of Quantities **including all overhead charges (excluding VAT), profit and Preliminaries** and carrying out the work as described shall be deemed to be spread over and included in the prices or sums stated by the Bidder in the Bill of Quantities. VAT should be separately added.
3. If the Bidder failed to price any Items in the Bill of Quantities then the cost of the work under such Item shall be held to be spread over and included in the prices given against other Items of work.
4. When trade names, brand and/or catalogue numbers are referred to, sole preference to any material or equipment is not intended. Any other material or equipment may be used, provided that the characteristics of type, quality, appearance, finish, method of construction and/or performance is equal to or superior to specify.
5. Whenever the method of measurement is not clear from documents available, the principles as given in the Sri Lanka Standard 573, 1999, Method of Measurement of Building Work shall be applicable.
6. All items of work shall comply exactly with the Contract unless otherwise approved by the Engineer and the rates and sums inserted in the Bill of Quantities shall be deemed to apply to the work as specified. If, for his convenience or reasons of availability, the Contractor proposes and the Engineer approves the use or provision of alternative items, materials or method of working, or equivalent or superior quality to those specified in the Contract, the rates and sums inserted in the Bill of Quantities shall not in any case be increased as a result.
7. The quantities set out in the Bill of Quantities are provisional and cover the approximate scope of the work which is anticipated to be performed by the Contractor. The actual quantities used for final measurement purposes will be determined by the Engineer by measurement of the work completed by the Contractor.
8. Where, for his own purposes or due to his own default, the Contractor carries out the Works in such a manner that the quantity of any Item of work in particular component to be measured for payment purposes differs from that directed by the Engineer, then payment shall be made according to the lesser of the actual quantity and that directed. An excess quantity in one part of the component shall not, however, be allowed to offset a deficit elsewhere in the same component for measurement purposes.
9. Where the determination for payment purposes of the quantity of any Item of work depends upon the measurement of existing features or ground levels and the like, then prior to carrying out any operations which might affect such measurement, the Contractor shall first take such levels and measurements as the Engineer may direct and, after the Engineer has had the opportunity to check the same, they shall be certified as agreed by both the Engineer and the Contractor.

10. In the event that the Contractor fails to observe the above procedure, the Engineer shall determine the quantity to be assumed for payment purposes using the best information available to him, and his decision in the matter shall be final.
11. Selected Bidder shall comply with the arrangement of work in the buildings and be ready to work part by part as required by the Authorities of Teaching Hospital Peradeniya.
12. Rates in the Bill of Quantities shall include all necessary materials such as cables, PVC conduits, PVC sunk boxes etc and labour required to complete the electrical installation to good working order.
13. Except where specifically stated, all costs associated with provision of all holes, openings, chases and ducts in other builders' work required for installation and make them good , shall be included in the rates.
14. Bidder should pay special attention to the work to be carried out, causing minimum disturbance or hindrance to the normal functions and activities of the users of the Teaching Hospital Peradeniya.
15. The Bills of Quantities should therefore, be priced to reflect all factors that would affect the bid and the progress of the works.
16. All electrical accessories should comply with relevant BS/IEC standards. For electrical accessories, manufacturer's guarantee should be produced if necessary.
17. The wiring installation shall comply with the requirements of IEE Wiring Regulations, latest edition.
18. Screens should be provided to prevent dust escaping from working areas.
19. Metric units are used throughout the Bill of Quantities for measurement purposes unless otherwise indicated. Abbreviations used in the Contract are as follows:-

mm	-	Millimeter
m	-	Linear meter
kg	-	Kilogram
m <sup>2</sup>	-	Square meter
m <sup>3</sup>	-	Cubic meter
nr	-	Number
Rs.	-	Sri Lankan Rupees
Cts.	-	Cents
P. S.	-	Provisional sum
L. S.	-	Lump Sum

**COLOUR WASHING & REPAIRING WORKS AT JMO BUILDING PREMISES**

**GENERAL HOSPITAL (TEACHING) - PERADENIYA**

**MAIN SUMMARY**

<b>ITEM</b>	<b>DESCRIPTION</b>	<b>AMOUNT Rs. Cts.</b>
A	PRELIMINARIES	
B	DEMOLISHER	
C	MASONRY WORKS	
D	WALL FINISHES	
E	FLOOR FINISHES	
F	ROOF WORK	
G	CEILING WORK	
H	PAINTER	
I	PLUMBER	
J	WOOD WORKS	
K	ALUMINIUM WORK	
L	ELECTRICAL WORKS	
M	MISCELLANEOUS WORKS	
(a)	<b>Sub Total I</b>	
(b)	Ddt: Provisional Sum	694,500.00
(c)	<b>Sub Total II</b>	
(d)	Ddt : ....% Discount	
(e)	<b>Sub Total III</b>	
(f)	Add: Provisional Sum	694,500.00
(g)	<b>Total amount for Bid</b>	
(h)	Add : 18% VAT	
(j)	<b>Total Amount with VAT</b>	

Total Sum carried to Form of bid in words Rupees (without VAT) .....

.....

Signature of the Contractor

Witness :-

Address

Address :-

Date

BOQ 1

Date :-

**COLOUR WASHING & REPAIRING WORKS AT JMO BUILDING PREMISES**  
**GENERAL HOSPITAL (TEACHING) - PERADENIYA**

**PRELIMINARIES**

**Note:**

- 1 The Engineer/ Consultant may modify or amended any item , or delete inappropriate item/s or add new item/s , depending on the nature of the proposed work.
- 2 Mode of payment are as below.

Mode of Payment	Category
Reimbursement of actual cost on submission of the relevant document acceptable to the Engineer plus 5% of the actual cost of obtaining the insurance policies and securities.	A
60% on completion of temporary buildings or structures. 30% in equal installments over the contract period and balance 10% on dismantling and removal on completion.	C
Paid on satisfactory completion of the item	D
In equal installments over the contract period.	E
Mode of payment to be mutually agreed between contractor and the employer at the commencement of contract in relation to the program of work.	F
On the completion of work	G

- 3 The above recommended percentage may be adjusted by the Employer/Consultant to suit the particular project.
- 4 The tenderer is advised to visit the site of the proposed work, as it is his responsibility to ascertain the conditions, space governing access to the site, external working space, storage area, status of the adjoining properties etc.
- 5 Any preliminary item not listed below but deemed to be included in the tender rates, as no extras would be made.

Item	Description	Mode of payment Category	Unit	Amount Rs. Cts.
<b>A</b>	<b><u>PRELIMINARIES</u></b>			
	<b>Insurance &amp; Securities</b>			
A1	Provisional Sum for providing a Performance Security	A	P.S	10,500.00
A2	Provisional Sum for providing an Advance Payment Security	A	P.S	16,500.00
A3	Provisional Sum for insurance of Works, Machinery & Equipment, Plant, Materials, third party persons & property at site as per the Contract. ( All Risk Policy)	A	P.S	11,500.00
A4	Provisional Sum for insurance against accidents and injury to Contractor's personel as per the Contract. ( Workmen Compensation)	A	P.S	6,000.00

Item	Description	Mode of payment Category	Unit	Amount Rs. Cts.
	<b>Contractor's Facilities</b>			
A5	Allow lump sum for constructing, maintaining, dismantling and removal on completion of the Works, a <u>temporary site office</u> , stores of adequate size including staff rest room and toilets and other facilities for the Contractor's site management staff in accordance with the plans prepared by the Contractor and concurred by the Engineer.	C	Item	
	<b>Quality, Standards and Progress</b>			
A6	Allow lump sum for provision of 3 sets of (Hard copies and soft copies) as built drawings of all services, for Engineer's approval.	D	Item	
	<b>Health, Safety &amp; Environment</b>			
A7	Allow lump sum for providing all necessary safety measures to workmen at site conforming to the latest industrial safety regulations and as directed by the Engineer.	E	Item	
A8	Allow lump sum for maintaining the site in a clean and orderly manner at all times and during the entire contract period, demobilization, removal of all rubbish, debris and clearing up site on completion, leaving all in good order and handing over.	G	Item	
	<b>Services &amp; Facilities</b>			
A9	Allow lump sum for supply of water for the works and paying all charges and other expenses in connection with the supply from water mains or any other alternative method of water supply, storage and reticulation.	E	Item	
	<b>Sub Total carried to Grand Summary</b>			

**COLOUR WASHING & REPAIRING WORKS AT JMO BUILDING PREMISES**

**GENERAL HOSPITAL (TEACHING) - PERADENIYA**

ITEM	DESCRIPTION	UNIT	QTY	RATE (Rs)	AMOUNT (Rs)
	<b>Note:-</b> <i>(a) Rates are included for cleaning away debris within the Hospital Premises unless stated otherwise. Reusable/serviceable material shall be handed over to the client in formal way and any place of fixing and removing scaffolding.</i> <i>(b) All preliminary cost work should be included within BOQ items.</i>				
<b>A</b>	<b><u>DEMOLISHER</u></b>				
A1	Removing & clearing debris away Corrugated sheets, iron, asbestos or aluminium alloy from roof including framework inclusive of wiring and fixtures, gutters, valance boards etc.. in single storied buildings.	m <sup>2</sup>	50		
A2	Removing asbestos ceiling including timber framework, stacking serviceable materials and debris cleared away. in single storied building	m <sup>2</sup>	50		
A3	Demolishing Hacking up & clearing debris away of ledge concrete inclusive of rendering.	m <sup>2</sup>	8		
A4	Demolishing & clearing tiled, glazed floor or wall.	m <sup>2</sup>	180		
A5	Removing & stacking door or window (sash with frame) size up to 4.0m <sup>2</sup> from existing walls.	nr	10		
A6	Removing and staking Low-level suits,squatting closets.	nr	3		
A7	Removing & stacking Wash basins, cisterns, sinks, urinals.	nr	3		
	<b>Sub Total carried to Summary</b>				
<b>B</b>	<b><u>MASONRY WORKS</u></b>				
B1	Masonry block work 100mm thick (Nominal) in walls in cement and sand 1:5 mortar using solid blocks made of cement and sand to the proportion of 1:10, confirming compressive strength not less than 2N/mm <sup>2</sup> at ground floor level	m <sup>2</sup>	40		
	<b>Sub Total carried to Summary</b>				
<b>C</b>	<b><u>WALL FINISHES</u></b> Rate shall include to (a) Fair joints (b) Outlets, working over and around obstructions, (c) Bonding agents where included with the work.	Note			

ITEM	DESCRIPTION	UNIT	QTY	RATE (Rs)	AMOUNT
					(Rs)
	(d) Patterned work is deemed to included all extra (e) Bedding mortars (f) Grouting (g) Working over and polishing (h) Plastic corner beadings (j) Supplying and Fixing Samples shall be forwarded by the contractor for prior Rate to include for scaffolding.	Note Note			
C1	Supplying and laying of 300mm x 600mm size, locally manufactured glazed tiles with all specials to <b>walls</b> for bathroom including raking plaster and bedding in 12mm thick 1:3 cement mortar joints shall be filled with tile grout	m <sup>2</sup>	90		
	<b>Sub Total carried to Summary</b>				
<b>D</b>	<b><u>FLOOR FINISHES</u></b>				
D1	Cut & polishing terrazzo floor & skirtings.	m <sup>2</sup>	180		
D2	Supplying and laying 300 X 600 mm locally manufactured Homogeneous Porcelain rustic <b>floor</b> tiles to floors including 12mm thick 1:3 cement sand bedding and finished with tile grout to match the tile with skirting.	m <sup>2</sup>	90		
	<b>Sub Total carried to Summary</b>				
<b>E</b>	<b><u>ROOF WORK</u></b>				
	<i>Note: Rate to be include scaffolding works, safety nets,helmets..... and all necessary works as complete working order.</i>				
E1	Cleaning and fixing timber (available), on roof, size 100mm x 75mm.	m	30		
E2	Cleaning and fixing timber (available), on roof, size 100mm x 50mm.	m	50		
E3	Cleaning and fixing timber (available), on roof, size 50mm x 50mm.	m	40		
E4	Applying two coat of wood preservative (stain) on roof structure for asbestos roof measured in plan area.	m <sup>2</sup>	40		
E5	Supplying and fixing Kempas timber size 100mm x 75mm for wall plate, ridge plate including application of two coats wood preservative and rate to include all other necessary works as per working order.	m	10		
E6	Replacing with new class 1 timber 50mm x 100mm (nominal) for joists/ rafters, including application of two coats of wood preservative (stain)	m	10		



ITEM	DESCRIPTION	UNIT	QTY	RATE (Rs)	AMOUNT
					(Rs)
E7	Replacing with new class 1 timber 50mm x 50mm (nominal) for battens including application of two coats of wood preservative (stain)	m	30		
E8	Refixing available Asbestos roofing sheets on an existing framework. With new nuts and bolts, apply two coats of emulsion paint on the underside of the sheet etc.	m <sup>2</sup>	40		
E9	Supplying and fixing new asbestos roofing sheets confirming to SLS 9 on existing framework with new nut and bolts, apply twocoats of emulsion paint under side of sheetetc. (Frame work measured separately).	m <sup>2</sup>	15		
E10	Supplying & Fixing Zn / Al Valance board of nominal girth 470mm. (The nominal base metal thickness (BMT) should be 0.42 mm and the total coated thickness (TCT) not less than 0.47 mm) including Screws. Nominal girth 470mm. The coating mass of the Zn/Al sheet is AZ150 (Minimum 150 gms/sq.m total on both sides).	m	12		
E11	Supplying and fixing Gutters colour Zn /Al (The nominal base metal thickness (BMT) should be 0.42 mm and total coated thickness (TCT) not less than 0.47 mm) 457mm girth with brackets not exceeding 0.6m crs. rate includes for specials. The coating mass of the Zn/Al sheet is AZ150 (Minimum 150 gms/sq.m total on both sides)	m	12		
E12	Supplying and fixing down pipes colour Zn/Al 100mm X 100mm (The nominal base metal thickness (BMT) should be 0.42 mm and total coated thickness (TCT) not less than 0.47 mm) with brackets not exceeding 1.2m crs. of the pipe, rate includes for specials. The coating mass of the Zn/Al sheet is AZ150 (Minimum 150 gms/sq.m total on both sides).	m	20		
	<b>Sub Total carried to Summary</b>				
<b>F</b>	<b><u>CEILING WORK</u></b>				
F1	Flat asbestos ceiling Supplying & fixed with wire nails to 100mm x 50mm (nominal) joists at 1.2m c/c & 50mm x 50mm (nominal) bearers @ 0.6m c/c in class 1 timber including 35mm x 12mm (nominal) beadings and 50mm x 35mm (nominal) cove mouldings of approved timber. Rate included one coat of primer, two coats of emulsion paint to underside of ceiling and two coats of wood preservative(stain) to timber frame work.	m <sup>2</sup>	50		
	<b>Sub Total carried to Summary</b>				
<b>G</b>	<b><u>PAINTER</u></b>				
	<i>Rates shall include for,</i>				

ITEM	DESCRIPTION	UNIT	QTY	RATE (Rs)	AMOUNT
					(Rs)
	<i>The prices shall include for preparation of surface, cleaning down, use of wall fillers and primary paint coats to obtain neat surface., sand papering etc.</i>	Note			
	<i>Protection of floors and fittings, removing door and window furniture, and cleaning window etc. upon completion.</i>	Note			
	<i>Reveal, Column Projections, undersides of lintels and wall ends less than 300mm shall not be measured and shall be incorporated in other measurements. Isolated columns shall be measured for payments.</i>	Note			
	<i>All weathershield/ floor paints, primer shall be of approved make with non lead pigment.</i>	Note			
	<i>Rate to include for the cost for the scaffoldings.</i>	Note			
G1	Cleaning fungi on surface using fungi removal & preparing surface for painting.	m <sup>2</sup>	100		
G2	Prepare and applying two coats of filler using brush or roller to walls.	m <sup>2</sup>	900		
G3	Prepare and applying two coats of filler using brush or roller to soffit.	m <sup>2</sup>	200		
G4	Preparing surface and applying two coats of emulsion paint for slab soffit.	m <sup>2</sup>	200		
G5	Paint emulsion, applying two coats to walls after cleaning and preparing surface	m <sup>2</sup>	550		
G6	Paint enamel, applying two coats after cleaning and preparing surface .	m <sup>2</sup>	125		
G7	Paint exterior emulsion, applying two coats to walls after cleaning and preparing on surfaces .	m <sup>2</sup>	350		
G8	Floor paint, applying two coats after cleaning and preparing surface .	m <sup>2</sup>	70		
G9	Polyurethane varnish, applying two coats after sand papering and cleaning surface .	m <sup>2</sup>	35		
<b>Sub Total carried to Summary</b>					
<b>H</b>	<b><u>PLUMBER</u></b>  <b><u>Sanitary Fittings &amp; Fixtures</u></b>  <i>Supply and installation of approved quality sanitary appliances with pipe specials, fittings, and special connecting to water supply, sewage and wastewater disposal pipes.</i>  <i>Unless otherwise measured separately, Rates shall include for:</i>	Note			

ITEM	DESCRIPTION	UNIT	QTY	RATE (Rs)	AMOUNT
					(Rs)
	<i>(a) Fittings such as taps, wastewater outlets, internal over flows etc. and supporting brackets, incidental materials for fixing.</i>	<i>Note</i>			
	<i>(b) Assembling, jointing together fixing components parts, and jointing to pipes including necessary coupling and for leaving perfectly clean and in perfect working order as on completion.</i>	<i>Note</i>			
	<i>(c) all necessary fixtures for sanitary fittings and special connection to water supply, wastewater and sewer lines</i>	<i>Note</i>			
	<i>(d) Jointing and connection pipes to sanitary fittings.</i>	<i>Note</i>			
	<i>(e) Testing and commissioning of the installation.</i>	<i>Note</i>			
	<i>(f) Making good the work disturbed.</i>	<i>Note</i>			
	<i>(g) Protecting the works</i>	<i>Note</i>			
	<i>(h) All Samples should be approved by the Engineer</i>	<i>Note</i>			
H1	Supplying & fixing Wash basin with pedestal Vitreous China 575 X 450 X 820mm (Rocell urban D or equivalent) and Chromium Plated Swan neck Type Pillar Tap (Rocell N091214 or equivalent) complete with Waste Plug (Rocell A38, A43 or equivalent), chromium plated waste chain & stay.	nr	2		
H2	Supply and installation of stainless steel wired Soap dish . Rate shall include all fixtures.	nr	5		
H3	Supplying & fixing approved new closet squatting footrest type (Orissa pan-Rocel or equivalent) with trap, supplied and fixed to working order including connection to the sewer line.	nr	3		
H4	Supplying & fixing approved cistern plastic with 20mm(1/2") chromium plated flexible hose. (Medium quality)	nr	5		
H5	Supplying & fixing mirror for bathroom 450mm x 600mm size approved quality with screws, plugs etc.	nr	2		
H6	Supplying and fixing Gully Box.	nr	2		
H7	Stainless steel floor trap cover. Approx. 150 x 150mm size, (European or Equivalent Quality)	nr	5		
	<b><u>Water Supply System</u></b>				
	<i>All Type 1000 (uPVC) pipes used in the plumbing</i>	<i>Note</i>			
	<i>All uPVC fittings and specials should be Type 1000,</i>	<i>Note</i>			
	<b>Unless otherwise measured separately, rates shall</b>	<i>Note</i>			
	<i>(a) Supply, transport to site and laying as specified.</i>				

ITEM	DESCRIPTION	UNIT	QTY	RATE (Rs)	AMOUNT
					(Rs)
	<b>(b) Cutting and joining of pipes and wastage of pipes.</b> <b>(c) All specials such as elbows, bends, tees, junctions,</b> <b>(d) Necessary jointing materials i.e rubber rings,</b> <b>(e) All costs associated with provision of all holes</b> <b>(f) Necessary screws, nails, sockets, connection back</b> <b>(g) Connecting different types of pipes.</b> <b>(h) Testing, commissioning and disinfection after</b> <b>(i) Excavation, backfilling, disposal of surplus soil.</b>				
H8	Allow for supply and fixing valves, cleaning Eye,Elbow,Tees, Bends and unforeseen Work	P.S			50,000.00
	<b>Sub Total carried to Summary</b>				
<b>I</b>	<b><u>WOOD WORKS</u></b>				
I1	Supplying and fixing plywood door sash approved quality including of oxidized heavy duty furniture etc.	m <sup>2</sup>	4		
I2	Supplying & fixing single hung mortise type door lock approved by engineer.	nr	2		
	<b>Sub Total carried to Summary</b>				
<b>J</b>	<b><u>ALUMINIUM WORK</u></b>  <i>Aluminium extrusion should be manufactured under the certification of ISO 9001:2008</i>  <i>The work shall include supply, fabricate and installation of doors, windows out of Aluminium Sections.</i> <i>Tolerance for thickness of the section is <math>\pm 10\%</math> from the specific thickness given in the manufactures made.</i>  <i>Concealed screws, nuts, bolts, rivets and other fastening devices shall be of Aluminium, non magnetic stainless steel or other approved corrosive resistant materials. If visible, they shall blend with the finish of the framing Aluminium Sections.</i>  <i>For each fabrications, a shop drawing shall be furnished to the Engineer, One month prior to the installation commencement and should get the approval for the same.</i>  <i>Samples of hinges , Aluminium sections, Al composite boards etc shall be forwarded by the contractor for prior approval of the Engineer.</i>  <i>The fabrication and installation of all aluminium work must be carried out by specialist tradesman.</i>				

ITEM	DESCRIPTION	UNIT	QTY	RATE (Rs)	AMOUNT
					(Rs)
	<p><i>It shall be bidder's responsibility to check the sizes of all openings on site, prior to fabrication.</i></p> <p><i>Supply, assemble and fix in position aluminium framed glazed aluminium sash door, window, fanlight, partition units complete with sealant glazing screwed beadings, locks, fasteners, gasket, hardware and fittings all complete as per detail drawing.</i></p> <p><i>Rate shall include for testing for Hardness, profile thickness, coating thickness of Aluminium extrusions</i></p> <p><i>Details of Aluminium Sections and accessories to be used if not specified separately.</i></p> <p><b>for Sash</b>  Doors - Width of Top bar-80mm  Width of Middle bar-100mm  Width of Bottom bar-120mm</p> <p><b>Glass</b>  <b>Doors</b> - 6mm thick clear float glasses Gardian or equivalent  <b>Lock</b> (if not separately specified)  -Door lock with triplicate keys ( Mortice type) Alpha or equivalent.  <b>Hinges</b> - 04 nos Stainless Steel (304) (Kinglong) hinges to be provided for a door sash if not separately specified</p>				
J1	Powder coated double sash butt hinged openable door with middle rail and louvers on top , panelling with aluminium composite panel of total thickness 4mm, with both sides Polyester coated aluminium sheets of 0.2mm thick at bottom panel and glazed with 5mm thick clear glass panes at top panel, neoprene and wooled beading, gaskets, pop rivots, threaded bar with nut and approved quality lock, butt hinges, door handle with cap nut. As per the members , sizes and details given in Drawing No : GHP/JMO/TYP/DD/D 14	m <sup>2</sup>	4		
J2	Fabricating and fixing Powder-coated aluminium hinged type sash Bathroom door with aluminium architectural sections with 60-80 micron coating glazed and panelled with 3mm cladding board at bottom and top. Including door lock with handle etc. Sizes and details given in Drawing No : GHP/JMO/TYP/BD	m <sup>2</sup>	9		
J3	Fabricating and fixing Powder-coated aluminium glazed fanlight with openable sash with aluminium architectural sections with 10 - 15 micron coating glazed 4.6 mm thick glass including all necessary rubber beading, rawl plug etc. Sizes and details given in Drawing No : GHP/JMO/TYP/FL	m <sup>2</sup>	2		
<b>Sub Total carried to Summary</b>					

ITEM	DESCRIPTION	UNIT	QTY	RATE (Rs)	AMOUNT
					(Rs)
<b>K</b>	<b><u>ELECTRICAL WORKS</u></b>				
K1	Supply and installation of Surface type, 300mmx1200mm 36W LED panel light fitting, minimum flux 4600 lumens with accessories.	nr	2		
K2	Supply and installation of 1200 mm long single 20W LED Tube light fitting , minimum flux 2000 lumens with all accessories.	nr	12		
K3	Supply and installation of 600mm long 8W LED tube bulb, minimum flux 800 lumens with accessories.	nr	3		
K4	Supply and installation of recessed (ceiling embedded) type 12W LED panel lamp fitting in working order.(Shall have minimum two year warranty period)	nr	5		
K5	Supply and installation of type 2 (approved by the engineer) wall fan with speed regulator in working order-	nr	1		
K6	Wall fan point wiring completed - to be carried out with 2 x 1.0 mm <sup>2</sup> PVC insulated PVC sheathed copper cables and 2.5 mm <sup>2</sup> earth cable wired with PVC casing on wall and on soffit of the slabs to be supplied and installed in working order	nr	1		
K7	Allow for removing non workable electrical fittings, re arrange electrical wirings and other unforeseen works	P.S			100,000.00
<b>Sub Total Carried to Summary</b>					
<b>L</b>	<b><u>MISCELLANEOUS WORKS</u></b>				
L1	Supplying & fixing colour Zn/Al. roofing sheets with self-drilling screws (fasteners) on the framework - Frame work measured separately. The nominal base metal thickness of the Roofing sheet (BMT) should be 0.42 mm and the total coated thickness (TCT) not be less than 0.47 mm, HI-Tensile steel with minimum 550 Mpa yield strength, the Coating mass of the roofing sheet is AZ150 (Minimum 150 gms/sq.m total on both sides). For the Zn/Al sheets, 10 years of guarantee should be given by the manufacture	m <sup>2</sup>	10		
L2	Demolishing bricks / Masonry block walls, Plastering walls, Re - make existing concrete ledge, repairing damaged timber doors, repairing plumbing works, re-arrange electrical wirings, repairing roof plumbing work & other unforeseen works.	P.S			500,000.00
<b>Sub Total carried to Summary</b>					