



Ministry of Tourism

Civil Aviation Authority of Sri Lanka

Reperbishment of Civil Aviation Authority Circuit Bungalow at Weerawila

IFB/SP/-2022/02

January 2022

Employer:
Civil Aviation Authority of Sri Lanka
No.152/1,Minuwangoda Road
Katunayake

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1. Invitations for Bids

1. Chairman, Departmental Procurement Committee (DPC), CAASL invites sealed bids from eligible and qualified bidders for **Refurbishment of Civil Aviation Authority Circuit Bungalow at Weerawila**
2. Bidders who possess the CIDA registration under National Competitive Bidding (NCB) are only eligible for bidding
3. The Intended Service Period is Ninety (**90**) Days.
4. Bidders who have at least Three years' experience in similar nature may submit bids.
5. A complete set of Bidding Documents in English language can be collected by interested bidders on the submission of a written request and payment of a non-refundable fee of Two Thousand Five hundred Rupees (Rs.2500/=) without VAT during the period between 10/01/2022 and 03 /02/2022 on working days between 0900hrs and 1500 hrs from the above address. The method of payment will be by cash.
6. Eligible bidders may obtain further information relating to this bid from Environment Research, & Projects Section, CAASL at No 152/1, Minuwangoda Road, Katunayake (Phone: 011 2358824 Bidding documents may be inspected free of charge at the above office.
7. The amount of Bid Security shall be Sri Lanka Rupees Fifty Thousand (Rs. 50,000/=) from reputed bank from Sri Lanka approved by Central Bank of Sri Lanka. Bid security should be valid for not less than 120 Days from the date of bid opening.
8. A "Pre bid meeting" will be held on 19th January 2022 at 1100 hrs at the Head Office Building, at No 152/1, Opposite the Radar Hill, Minuwangoda Road, Katunayake.
9. Bids must be delivered to Chairman, Department Procurement Committee, Civil Aviation Authority of Sri Lanka, No 152/1, Minuwangoda Road, Katunayake with the marking "**Refurbishment Civil Aviation Authority Circuit Bungalow at Weerawila**" at the top left-hand corner of the envelope on or before 1400 hrs of 07th February 2022.
10. Successful bidder is required to render an unconditional Performance Bond in the name of CAASL for the value of 10% of the total contract value. The Civil Aviation Authority will have the right of claiming the Performance Bond value on demand if the company does not provide a satisfactory service.
11. The dead line for submission of bids will be 1430 hrs on 07th February 2022 and will be opened soon after the closing. Late bids will be rejected.

3. Instructions to Bidders

- 3.1 Bids are invited from reputed organizations for **Reperbishment of Civil Aviation Authority Circuit Bungalow at Weerawila as per given format of Bills of Quantities at Annexure I for proposed Reperbishment** area by offering contraction work for the effective and efficient operation of the quarters which is located at the site aforementioned.
- 3.2 The successful bidder will be expected to complete the work within **Ninety (90) days**. If the contractor fails to complete the works during that period the contractor shall pay delay damage to the employer. In the delay of completion of work the damages will be calculated at 0.05% of the contract price per day. The liquidated damages will be subject to a ceiling of 5% of the contract price.
- 3.3 Only those bidders having the following qualifications should apply for this bidding and are requested to enclose proof documents along with the Bid, with a Company profile and list of Clientele.
 - 3.3.1. All Bidders shall register with the Construction Industry Development Authority (CIDA). However in case of a joint venture the partner in charge shall be registered with CIDA under the grade and specialty given in the bidding data.
 - 3.3.3 All bidders shall include the certified copies of original documents defining the constitution or legal status, place of registration and principle place of business; written power of attorney of the signatory to the Bid to commit the bidder.
 - 3.2.4 The bidder should have satisfactorily provided similar services within a period of 3 years preceding the date of bidding for a reputed organization which had a requirement of design and build of partitioning and modification in Office area.
 - 3.2.5. The Contract shall be interpreted in accordance with the laws of the Socialist Democratic Republic of Sri Lanka. Conditions of Contract shall be in accordance with CIDA Publication Number ICTAD/SBD 2
 - 3.2.5 Experience in Services of a similar nature for the last three years, and details of Services under way or contractually committed; and names and address of clients who may be contacted for further information on those contracts;
 - a) List of Ongoing projects and locations
 - b) Work plan and methodology for this project
 - c) List of major items of equipment proposed to carry out the Contract
 - d) Qualifications and experience of key staff proposed for the Contract
 - e) Time Schedule for the contract with Critical Path
 - f) CIDA registration Number/Grade/Expiry date

- g) Financial Statements for last three years
- h) Legal status of the organization
- i) Proposed design with architectural drawings

3.2.6 The bidder shall bear all cost associated with the preparation and submission of its Bid, and the employer will in no case be responsible or liable for those cost, regardless of the conduct or outcome of the bidding process.

4. Preparation of Bids and Submission

4.1 Bidder shall go through the tender document completely and thoroughly prior to submitting the bids in order to ensure that the bid conforms to the applicable terms and conditions. The bids that are incomplete and inconsistent with the terms and conditions will be rejected.

a) Tender documents once issued is nontransferable.

b) Documents comprising the bid

Duly perfected original Bids with duplicate copy including Technical and Financial Proposals(as per the given format) marked “Original and “duplicate” re insert in a single cover mentioned in the title of procurement on the left hand corner of the envelopes under sealed covers shall be forwarded to the following address.

Chairman
Departmental Procurement Committee
Civil Aviation Authority of Sri Lanka
No.152/1, Minuwangoda Road
Katunayake

5. Bid Opening and Evaluation

5.1 Evaluation Criteria

5.1.1 Each substantial responsive bid will be given a score as described below. Bid shall be rejected at this stage if it does not respond to important aspects of the Employer's Requirements or if it fails to achieve an overall minimum of 65 points together with the minimum given against each criterion.

Item	Criteria	Maximum Points	Minimum Required
a	Experience in similar assignments for the last three preceding years	10	06
b	Work plan , preliminary designs and Methodology	25	15
c	Key Staff	20	15
d	Equipment	10	05
e	Client Reference and compliance with bidding documents	15	10
f	Financial capability	10	07
g	Time schedules	10	07
	Total	100	65

(All design and construction works shall be carried out as per Construction Industry Development Act No: 33 of 2014)

Following criteria will be used in assigning points as;

- (a) Satisfactory but needs improvements – 50%
- (b) Good – 75%
- (c) Very Good – 100%

Experience in similar assignments:

The determination will take into account the Bidder's involvement in the similar assignments in the recent past.

Work plan and Methodology:

The determination will take into account the bidder's proposed approach including the allocation of necessary resources in providing the services.

Key Staff:

Only the Key staff proposed by the bidder will be evaluated

Equipment:

Adequacy of the equipment proposed by the bidder will be evaluated

Client's Reference:

The references made by previous clients about the quality of the Services provided by the bidder will be evaluated.

Financial Capability:

All financial aspects including the annual Turnover and other financial information will be evaluated

- **Final Marks = (Functional/ Technical evaluation X 80%) + (Financial evaluation X 20%)**

Bid should be submitted in both technical and financial details and the bid should be valid at least for 3 months from the date of closing the Bids.

6. Description of the Services

Design work including preparation of architectural, necessary service and drawings, BOQ with compatible to the existing design of the Circuit Bungalow.

- Demolition work
- Site cleaning and Earthwork
- Waterproofing work
- Floor, wall & ceiling finishes
- Floor & wall tiles
- Timber & glazed doors
- Iron work
- Electrical works
- Painting and decorating
- Roof work
- Plumbing & sanitary fittings installation
- External works
- Miscellaneous work

- NOTE: 1. All construction works to be carried out to meet the requirements of ICTAD Specifications.
2. All building materials, fitting and accessories used shall be approved by the employer.

7. Conditions of Contract

- a. Company profile and list of clientele with the names of contact person and contact details should be attached to the Bid.
- b. Copy of Receipt issued by CAASL for purchasing of Tender Document shall also be attached to the Bid documents.
- c. Bid should be duly signed by the authorized personnel and shall be affixed with the rubber stamp of the company.
- d. The amount of Bid Security shall be Sri Lanka Rupees Fifty Thousand (Rs. 50,000/=) from reputed bank from Sri Lanka approved by Central Bank of Sri Lanka. Bid security should be valid for not less than 120 Days from the date of bid opening.
- e. Selected Bidder will be required to submit a Performance Security acceptable to the Employer shall be an unconditional form of guarantee to an amount equal to 10% of the Contract Price.
- f. Technical Evaluation Committee appointed by the Departmental Procurement Committee (DPC) will recommend the most suitable bidder to the DPC of the CAASL for consideration. The decision of the DPC on the matter will be final and conclusive.
- g. The bidder may visit the site to ascertain the nature and scope of work involved. Bidder is invited to attend the site visit which will be conducted on the day that the pre-bid meeting is held.
- h. The bidders shall produce samples of all stuff and material that he intends providing under the bid.
- i. The responsibility of the bidder is not only to ensure supply, installation and commissioning of the agreed facilities, equipment and services in full ordered quantity within the stipulated time as specified in the agreement which will be executed between the CAASL and the prospective bidder.
- j. Bidder shall provide duly signed certificate (Form of Bid) as enclosed with the Bid.
- k. The bidder is required to ensure compliance of all instructions, specifications, signing of the documents, fixing official rubber stamp etc. Failure to submit all information required by the bidding documents will make the bid liable for rejection.

7.1 Payments

- a. Twenty (20 %) percent of the Contract Price will be paid to the Prospective Bidder by the CAASL on the commencement date against the submission of a bank guarantee for the same.
- b. Balance payment shall be made paid after confirmation of fulfil the requirement properly and the Contractor have submitted an invoice to the Employer specifying the amount due.
- c. 5% of the total construction value will be retain as a retention.

7.2 Documents Prepared by the Contractor to Be the Property of the Employer

All reports, and other documents submitted by the Contractor shall become and remain the property of the Employer, and the Contractors shall, not later than upon termination or expiration of this Contract, deliver all such documents and software to the Employer, together with a detailed inventory thereof. The Contractors may retain a copy of such documents including warranty/Guaranty.

7.3 Defect Liability period

- a) In case of any loss, breakage / damage, malfunctioning and manufacturing defects are detected in the supply or after installation, it should be replaced /compensated by the manufacturer/supplier free of cost and without any charges whatsoever.
- b) The bidder will remain responsible for any defect arising out of defective or improper materials or workmanship in the work for a period of three years from the date of completion and they shall be bound to make good the same at their own cost or in default, the Civil Aviation Authority may cause the same to be made good by other alternative agency and deduct the expense from any sum that may be due and any time thereafter may become due to the supplier.
- c) Defects Notification Period is **365 Days** from Employer's Taking over

Sample Forms

1.1 Experience in Similar Assignments last three years

Schedule B – Experience in Similar Assignments last three years <i>(Qualification and Experience Information-Technical Bid)</i>				
Period	Employer	Description of Works	Amount	Contractor's Responsibility (%)
		Total		

1.2 Key Staff

<i>(Qualification and Experience Information-Technical Bid)</i>	
Name	
Proposed Position	
Profession	
Date of Birth	
Member ship in Professional Societies	

Detail Assigned	Tasks	
Key Qualification	Give an outline of staff member's experience most pertinent to tasks or assignment. Describe degree of responsibility held by staff member or relevant previous assignments and give dates and locations. Use about half page	
Education		
Employment record		
Certification	I, the undersigned, certify that to the best of my knowledge and belief, the information is correct.	
Signature of the Staff member		Date

1. 3 Equipment Proposed

Equipment Proposed <i>Qualification and Experience Information-Technical Bid)</i>		
Type	Capacity	Number

2. Form of Bid

..... [Date]

To: The Director General of Civil Aviation and Chief Executive Officer

Civil Aviation Authority of Sri Lanka

No.152/1, Minuwangoda Road

Katunayake

7.Having examined the bidding documents, we offer to provide the Bids for Reperbishment of Civil Aviation Authority Circuit Bungalow at Weerawila accordance with the Employer’s Requirements, drawings and activity schedule accompanying this Bid for the Contract Price of Rs.[amount in words] or any other sum derived in accordance with the said documents.

This Bid and your written acceptance of it shall constitute a binding Contract between us. We understand that you are not bound to accept the lowest or any Bid you receive.

We hereby confirm that this Bid complies with the Bid validity required by the bidding document.

Authorized Signature:

Name and Title of Signatory:

Name of Bidder:

Address:

3. Form of Letter of Acceptance

[Letterhead paper of the Employer]

Notes on Standard Form of Letter of Acceptance

This Standard Form of Letter of Acceptance should be filled in and sent to the successful Bidder only after evaluation of bids has been completed.

[Date]

To: [name and address of the Service provider]

This is to notify you that your Bid dated [date] for providing services [name of the Contract and identification number] for the Contract Price of [amount in numbers and words], as corrected and modified in accordance with the Instructions to Bidders is hereby accepted by us.

You are hereby instructed to proceed with the execution of the said Contract for the provision of Services in accordance with the Contract documents.

The start date shall be.....

The amount of performance security is.....

The amount of Performance security shall be submitted on or before

Authorized Signature:

Name and Title of Signatory:

Name of Agency:

4. Form of Contract Agreement

This Agreement made the ----- [day] of ----- [month] 200 ---- [year], between ----- [name and address of Employer] (hereinafter called and referred to as “the Employer”), of the one part, and ----- [name and address of Contractor] (hereinafter called and referred to as “the Contractor”), of the other part:

Whereas the Employer desires that the Contractor design and execute ----- [name and identification no of Contract] (hereinafter called and referred to as “the Works”) and the Employer has accepted the Bid by the Contractor for the design, execution and completion of such Works and remedying of any defects therein.

The Employer and the Contractor agree as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Contract hereinafter referred to.
2. In consideration of the payments to be made by the Employer to the Contractor as indicated in this Agreement, the Contractor hereby covenants with the Employer to supply installation and complete the Works and remedy any defects therein in conformity in all respects with the provisions of the Contract.
3. The Employer hereby covenants to pay the Contractor in consideration of the design, supply, installation and complete the Works and remedy any defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

In Witness whereof the parties hereto have caused this Agreement to be executed the day and year aforementioned in accordance with laws in Sri Lanka.

-

Authorized signature of Contractor

Authorized signature of Employer

SEAL

SEAL

In the presence of:

Witnesses :

1. Name and NIC No. -----
Signature -----
Address -----
2. Name and NIC No. -----
Signature -----
Address -----

5. Form of Performance Guarantee (Unconditional)

Number: Date:

Sum Guaranteed:

To:

[name and address of Employer] (herein after called and referred to as “the Employer”)

..... [address of Employer]

Whereas[name and address of Service Provider] (hereinafter called “the Service Provider”) has undertaken, in pursuance of Contract No.[Number] dated[date] to execute[name of Contract and brief description of Services] (hereinafter called “the Contract”);

And whereas it has been stipulated by you in the said Contract that the Service Provider shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract ;

And whereas we have agreed to give the Service Provider such a Bank Guarantee;

Now therefore we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Service Provider, up to a total of Rupees[amount of Guarantee] [amount in words], such sum being payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of [amount of Guarantee] as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Service Provider before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Services to be performed there under or of any of the Contract documents which may be made between you and the Service Provider shall in any way release us from any liability under this Guarantee, and we hereby waive notice of any such change, addition, or modification.

This Guarantee shall be valid until a date 28 days from the date of issue of the Certificate of Completion.

Signature and seal of the Guarantor.....

Name of Bank.....

Address.....

Date.....

Witness

6. Form: Bid Security (Bank Guarantee)

Whereas, [name of Bidder] (hereinafter called “the Bidder”) has submitted his Bid dated [Date] for providing Services for [name of Contract] (hereinafter called “the Bid”).

Know all people by these presents that We[name of Agency] having our registered office at[address] (hereinafter called “the Bank”) are bound unto[name of Employer] (hereinafter called “the Employer”) in the sum of Sri Lankan Rupees[The Bidder should insert the amount of the Guarantee in words and figures] for which payment well and truly to be made to the said Employer, the Bank binds itself, its successors, and assigns by these presents.

Sealed with the Common Seal of the said Bank this [day] day of [month], [year].

The conditions of this obligation are:

1. If, after Bid opening, the Bidder withdraws his Bid during the period of Bid validity specified in the Form of Bid; or
2. If the Bidder having been notified of the acceptance of his Bid by the Employer during the period of Bid validity:
 - a) fails or refuses to execute the Form of Agreement in accordance with the Instructions to Bidders, if required; or
 - b) fails or refuses to furnish the Performance Security, in accordance with the Instruction to Bidders; or
 - c) does not accept the correction of the Bid Price

we undertake to pay to the Employer up to the above amount upon receipt of his first written demand, without the Employer’s having to substantiate his demand, provided that in his demand the Employer will note that the amount claimed by him is due to him owing to the occurrence of one or any of the three conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date [Usually 28 days after the end of the validity period of the Bid.] days after the deadline for submission of bids as such deadline is stated in the Instructions to Bidders or as it may be extended by the Employer, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.

Date..... Signature of the Bank.....

Witness..... Seal.....

.....
[Signature, name, and address]

Annexure I

	<ul style="list-style-type: none"> Note: If items mentioned and describe in the BOQ needs to be attend prior approval to be obtained for variation or verify the quantities therein. 					
ITEM	DESCRIPTION	UNIT	QTY	RATE		AMOUNT
				Rs.	Cts.	Rs. Cts.
	<p>This covers the work procedures and construction methodologies and practices of construction. (If construction is expected greatly needed; can remove this item)</p> <p>Construction management services and quality control process (Details of services to be provided by the contractor should meet the minimum requirement specified in the Bidding Data & Contract Data).</p>					
	<p><u>DEMOLITION WORK</u></p> <p><i>Note:-</i></p> <p>(a) Contractor shall take safety measures in all aspects of demolition works.</p> <p>(b) The Contractor shall protect all existing structures, finishes, and services against any damage.</p> <p>(c) Provision for rectification of any unexpected damages or interruption to any existing construction, finishes, and services or temporary arrangements. This is sole responsibility of the contractor.</p> <p>(d) All reusable materials should stack carefully and hand over to the client and all debris to be removed from the site as directed by the Engineer.(Measurement can to taken)</p> <p>(e) All materials derived from the demolition works should not be used in the proposed work without prior approval from the Authority in writing</p>					

	<u>SITE CLEARING AND EARTHWORK</u>				
1.	Cutting and uprooting tetra stich disturb to the fence line, clears, it's, and stack tree trunks as directed.				
2.	Anti-Termite treatment to existing building foundation area, plinth area, and pavement area, Kitchen area as needed. The warranty period shall be a minimum 10 years.				
	<u>Main Gate Entrance and Main Gate Associated Work</u>				
2.1	Supply and installation of Main Gate Entrance 60mm thick interlocking paving blocks have at least compressive strength equivalent to 25N/mm ² . The color and size submitted to approval of the Authority. Paving blocks should be placed on 6" ABC and minimum of 50mm thick quarry dust bedding on the well compact soil to the specified slope. Should be finished with mass concrete.				

2.2	Carefully remove timber plate Supply, fabrication & installation of Timber decorative steel for Main Gate				
2.3	Plaster 16mm. The cement and sand were incised semi-rough <i>externally</i> and on a brick boundary wall. In front sidewall to seaport column as per the drawing .Where area of damaged to be attended.				
2.4	Supply and installation of car porch 60mm thick interlocking paving blocks have at least compressive strength equivalent to 25N/mm ² . The color and size to subjected to the approval of the Authority. Paving blocks should be placed on 6" ABC and a minimum of 50mm thick quarry dust bedding on the well compact soil to the specified slope. Edges should be finished with mass concrete as required technically.				
3.	<u>ROOF WORK</u>				
3.1	Carefully cleaning roofing sheets surface.				
3.2	Carefully remove unsuitable or dad the of covering including damaged timber frame or need as directed. (Provisional qty).				
3.3	Supply and laying of corrugated asbestos cement sheet covering including damaged				

	timber frame or need to replace damaged roofing area. (Provisional qty).				
3.4	Carefully remove PVC Gutter and install Amano Gutter arrangement as technically required				
4.	IRON WORKE				
	Carefully cut and fabrication & installation iron drills opeclosetos door type fronted of the bed room veranda area at the ground floor for every blocks				
5.	DOOR AND WINDOW				
5.1	Supply and install, door/window locks, fittings, etc, to existing damage and unsuitable Aluminum and Timber door & window ironmongeries, Rate shall include for removing and handing over to the client as directed.				

6.	<u>BUILDING WIRE CUT BRICK OF THE WALL</u> Carefully removed the damaged bricks and replaced with wire cut brick for the wall and apply varnish paint for whole areas of the building etc.				
7.	<u>ELECTRICAL WORK</u>				
7.1	Removal of unsuitable or damaged and replace light fixtures, fittings, switches, sockets outlets, etc as advised by the client.				
8.	<u>PANTRY CUPBOARDS</u>				
8.1	Pantry cupboard (size to match with existing space) with shelves, consisting of treated Mahogany timber to sides and doors. All doors to have 03 nos. Non corrosive concealed hinges, magnetic catch, and knobs. All timber to be applied with 01 coat of clear wood preservative, 01 coat of primer, and spray painted. Prior approval to be obtained from client for coulor.				

9	PLASTER FLOOR AND WALL FINISHES WORKS				
9.1	Plaster 16mm. Thick cement and sand (1:5) finished semi-rough externally on brick walls (Provisional qty).				
9.2	Plaster 16mm. Thick cement and sand (1:5) finished smooth with Skim coat internally on brick walls (Provisional qty).				

10	PAVEMENT AREA				
10.1	Supply and installation of concreted pavement area Size is 3 width around the every blocks 75mm thick interlocking paving blocks have at least corrosive strength equivalent to 25N/mm ² . The color and size to the approval of the Authority. Paving blocks should be placed on 6" ABC & minimum 50mm thick quarry dust bedding on the well compact soil to the specified slope. Should be finished with mass concrete. Finished smooth with colored cement float on pavement area.				
11.	<u>FLOOR AND WALL TILES AT BATHROOM</u>				
11.1	Note :- (a) Rate for tiling should include for cement and sand 1:2 backing 3/4" thick including pointing and grout to match. SLS branded tiles types , colors, and sizes of tiles need to get approval in advanced				
a	The rate shall include Plastic Beading to be fixed at the top edge of skirting and all other edges. Colors to approve by the client.				
b	Carefully remove the bath cubical and finishing floor Tiles for the Bath room Shower area				
c	Carefully remove and replace, accessories, fittings, etc. Rate to include for preparation of Hot water and normal water connections to				

	receive a new appliance with fittings and accessories, etc.				
	Water closet (Closed couple)				
	Pedestal type wash basing (Censor typed preferably)				
	Cistern on water closet with all internal fittings, etc.				
	Showerhead SS typed in working orders				
	Pillar Tap (Stainless steel type)				
	Bib Tap (Stainless steel type)				
	Bidet spray (Stainless steel type)				
	Flexible horse (Stainless steel type)				
12.	<u>FLOOR TILES AND WASHING WATER AT KITCHEN AREA</u>				
	Supply & Laying of 250x900 mm approved quality matt finish ceramic floor tiles laid on 15 mm thick cement and sand 1:2 bed Joint and point to color match.				
	Supply and fixed wash water septic tank wash water collection for the kitchen with provision to soaking arrangement.				
13	<u>PAINTING AND DECORATING</u>				
13.1	Prepare surface and two coats of weather shield Emulsion paint to semi-rough plastered walls externally for every block (color to approval).				
13.2	Prepare surface and two coats of Emulsion paint to smooth plastered walls internally (color to approval).				
13.3	Prepare surface with skim coat smoothly and apply two coats of tick coated "Water Based" paint to of the ceiling and soffit of beams.				

14	<u>PLUMBING AND SANITARY FITTINGS INSTALLATION</u>				
	<i>Note:- Supply and installation of following sanitary appliance, accessories, fittings, etc. to match existing and connect to the existing line where necessary to making tested for the proper functioning of the system</i>				
a	S/S Angle Valve 12mm dia. C/W need to get approval (Provisional qty).				
b	Bib tap 12mm. diameter C/W need to get approval.				
c	Bidet spry C/W need to get approval.				
d	Conceal type shower valve with shower rose need to get approval.				
e	Stainless steel gully cover makes to approval. Flushing cistern with siphon mechanism including all internal fittings to water closet to approval.				
f	Flexible Hose C/P 1 ½” x ½” make Filner-Spain or equivalent need to get approval of client				
g	Supply and install Vitreous branded Ceramic closed coupled water closet consisting of the glazed ceramic pedestal, seat cover, flushing cistern with siphon mechanism including all internal fittings “P” or “S” Trap as advised by client Engineer . All complete to working or the er, color white, and make Rocell or equivalent need to get prior approval of client				
h	Supply and install Ceramic Pedestals type washbasin complete with s/s pillar tap & fixing brackets plugs & screws including wash pipe and C/P Bottle Trap chain. All complete to working order Color – white, Make- Rocell or equivalent to approval of client				

i	Supply and install Ceramic commend sets including all internal fittings 'S' or 'P' trap as advised. All complete to working order make, Color – white, Make- Rocell or equivalent to approval of client.				
j	Allow sum for any rectification or modification works to existing piping, valves, fittings, accessories, etc, or like as required or directed by the Engineer/Client				
k	Supply and insulation Solar Hot water for 3 nos of the blocks (Capacity to be approval with specs)				
l	Supply and installation of high presser water pump for the supply water for all blocks total coverage on every block				