





















بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ وَبِالْحَمْدِ لِلَّهِ نَحْنُ عَابِدُونَ

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تعمیراتی منصوبہ کی تفصیل:			
محلہ کی تفصیل	تعمیراتی منصوبہ کی تفصیل	تعمیراتی منصوبہ کی تفصیل	تعمیراتی منصوبہ کی تفصیل
			تعمیراتی منصوبہ کی تفصیل
			تعمیراتی منصوبہ کی تفصیل (تعمیراتی)
			تعمیراتی منصوبہ کی تفصیل (تعمیراتی)
			تعمیراتی منصوبہ کی تفصیل

تعمیراتی منصوبہ کی تفصیل (تعمیراتی)	تعمیراتی منصوبہ کی تفصیل:
تعمیراتی منصوبہ کی تفصیل:	تعمیراتی منصوبہ کی تفصیل:
تعمیراتی منصوبہ کی تفصیل:	تعمیراتی منصوبہ کی تفصیل:
تعمیراتی منصوبہ کی تفصیل:	تعمیراتی منصوبہ کی تفصیل:

### تعمیراتی منصوبہ کی تفصیل

تعمیراتی منصوبہ کی تفصیل 3 اراکوں کی تشکیل دے گا (تعمیراتی، تعمیراتی، تعمیراتی) : (05 تعمیراتی)

تعمیراتی	تعمیراتی	تعمیراتی	تعمیراتی
20	20	20	تعمیراتی
تعمیراتی 3 اراکوں کی تشکیل دے گا:			

تعمیراتی منصوبہ کی تفصیل (15 تعمیراتی)

تعمیراتی منصوبہ کی تفصیل 50% اراکوں کی تشکیل دے گا

تعمیراتی منصوبہ کی تفصیل			
#	تعمیراتی منصوبہ کی تفصیل	تعمیراتی منصوبہ کی تفصیل	تعمیراتی منصوبہ کی تفصیل

تاریخ	تعداد	تعداد	تعداد
تعداد	تعداد	تعداد	تعداد
1			
2			
3			
4			
5			
6			
			جمع

تعداد	تعداد
تعداد	تعداد
تعداد	تعداد
تعداد	تعداد
تعداد	تعداد

دستورالعمل برگزاری مسابقات علمی و پژوهشی دانشجویان و اساتید محترم دانشگاه

ردیف (شماره)	عنوان	دسته بندی (گروه)	موضوع (موضوعات)	نوع مسابقه
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

توضیح: در صورتی که تعداد شرکت کنندگان در هر مسابقه کمتر از 10 نفر باشد، برگزاری آن در صورتی که حداقل 5 نفر در آن شرکت کنند، امکان دارد. در صورتی که تعداد شرکت کنندگان در هر مسابقه کمتر از 5 نفر باشد، برگزاری آن در صورتی که حداقل 3 نفر در آن شرکت کنند، امکان دارد. در صورتی که تعداد شرکت کنندگان در هر مسابقه کمتر از 3 نفر باشد، برگزاری آن در صورتی که حداقل 2 نفر در آن شرکت کنند، امکان دارد. در صورتی که تعداد شرکت کنندگان در هر مسابقه کمتر از 2 نفر باشد، برگزاری آن در صورتی که حداقل 1 نفر در آن شرکت کند، امکان دارد.

نام:	
شماره:	
گروه:	
نام و نام خانوادگی:	

## BID SECURITY FORMAT

The Issuing Bank shall fill in this Bank Guarantee Form in accordance with the instructions indicated.

\_\_\_\_\_ [Bank's Name, and Address of Issuing Branch or Office]

**Beneficiary:** \_\_\_\_\_ [Name and Address of Procuring Entity]

**Date:** \_\_\_\_\_

**BID GUARANTEE No.:** \_\_\_\_\_

We have been informed that [name of the Bidder] (hereinafter called "the Bidder") has submitted to you its bid dated (hereinafter called "the Bid") for the execution of [name of contract] under Invitation for Bids No. [Procurement Reference number] ("the IFB").

Furthermore, we understand that, according to your conditions, bids must be supported by a bid guarantee.

At the request of the Bidder, we [name of Bank] hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of [amount in figures] ([amount in words]) upon receipt by us of your first demand in writing accompanied by a written statement stating that the Bidder is in breach of its obligation(s) under the bid conditions, because the Bidder:

- (a) has withdrawn its Bid during the period of bid validity specified by the Bidder in the Form of Bid; or
- (b) having been notified of the acceptance of its Bid by the Procuring Entity during the period of bid validity, (i) fails or refuses to execute the Contract Form; or (ii) fails or refuses to furnish the performance security, if required, in accordance with the Instructions to Bidders.

This guarantee will expire: (a) if the Bidder is the successful Bidder, upon our receipt of copies of the contract signed by the Bidder and the performance security issued to you upon the instruction of the Bidder; or (b) if the Bidder is not the successful Bidder, upon the earlier of (i) our receipt of a copy of your notification to the Bidder of the name of the successful Bidder; or (ii) twenty-eight days after the expiration of the Bidder's Bid.

Consequently, any demand for payment under this guarantee must be received by us at the office on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 458.

\_\_\_\_\_  
[signature(s)]

## PERFORMANCE GUARANTEE FORMAT

*[The issuing bank, as requested by the successful Bidder, shall fill in this form in accordance with the instructions indicated]*

Date: *[insert date (as day, month, and year)]*

Title of the procurement: *[Insert general title of the procurement]*

Procurement Reference No: *[insert reference]*

Bank's Branch or Office: *[insert complete name of Guarantor]*

**Beneficiary:** *[insert complete name of Procuring Entity]*

**PERFORMANCE GUARANTEE No.:** *[insert Performance Guarantee number]*

We have been informed that *[insert complete name of Supplier]* (hereinafter called "the Supplier") has entered into Contract No. *[insert number]* dated *[insert day and month]*, *[insert year]* with you, for the supply of *[description of Goods and related Services]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, a Performance Guarantee is required.

At the request of the Supplier, we hereby irrevocably undertake to pay you any sum(s) not exceeding *[insert amount(s)<sup>1</sup> in figures and words]* upon receipt by us of your first demand in writing declaring the Supplier to be in default under the Contract, without cavil or argument, or your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This Guarantee shall expire no later than the *[insert number]* day of *[insert month]* *[insert year]*,<sup>2</sup> and any demand for payment under it must be received by us at this office on or before that date. We agree to a one-time extension of this Guarantee for a period not to exceed *[six months]* *[one year]*, in response to the Procuring Entity's written request for such extension, such request to be presented to us before the expiry of the Guarantee.

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 458, except that subparagraph (ii) of Sub-article 20(a) is hereby excluded.

.....

*[signatures of authorized representatives of the bank]*

<sup>1</sup> The Bank shall insert the amount(s) specified in the SCC and denominated, as specified in the SCC, either in the currency(ies) of the Contract or a freely convertible currency acceptable to the Procuring Entity.

<sup>2</sup> Dates established in accordance with Clause 18.4 of the General Conditions of Contract ("GCC"), taking into account any warranty obligations of the Supplier under Clause 16.2 of the GCC intended to be secured by a partial Performance Guarantee.



## BANK GUARANTEE FOR ADVANCE PAYMENT

*[The bank, as requested by the successful Bidder, shall fill in this form in accordance with the instructions indicated.]*

Date: *[insert date (as day, month, and year)]*

Title of the procurement: *[Insert general title of the procurement]*

Procurement Reference No: *[insert reference]*

*[Issuing bank's letterhead]*

**Beneficiary:** *[insert legal name and address of Procuring Entity]*

**ADVANCE PAYMENT GUARANTEE No.:** *[insert Advance Payment Guarantee no.]*

We, *[insert legal name and address of bank]*, have been informed that *[insert complete name and address of Supplier]* (hereinafter called "the Supplier") has entered into Contract No. *[insert number]* dated *[insert date of Agreement]* with you, for the supply of *[insert types of Goods to be delivered]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, an advance is to be made against an advance payment guarantee.

At the request of the Supplier, we hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of *[insert amount(s)<sup>3</sup> in figures and words]* upon receipt by us of your first demand in writing declaring that the Supplier is in breach of its obligation under the Contract because the Supplier used the advance payment for purposes other than toward delivery of the Goods.

It is a condition for any claim and payment under this Guarantee to be made that the advance payment referred to above must have been received by the Supplier on its account *[insert number and domicile of the account]*

This Guarantee shall remain valid and in full effect from the date of the advance payment received by the Supplier under the Contract until *[insert date<sup>4</sup>]*. We agree to a one-time extension of this Guarantee for a period not to exceed *[six months][one year]*, in response to the Procuring Entity's written request for such extension, such request to be presented to us before the expiry of the Guarantee.

This Guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 458.

\_\_\_\_\_  
*[signature(s) of authorized representative(s) of the bank]*

<sup>3</sup> The issuing bank shall insert the amount(s) specified in the SCC and denominated, as specified in the SCC, either in the currency(ies) of the Contract or a freely convertible currency acceptable to the Procuring Entity.

<sup>4</sup> Insert the Delivery date stipulated in the Contract Delivery Schedule.


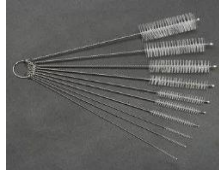
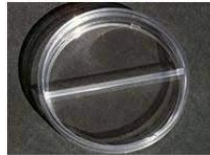


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The Maldives National University  
 Faculty of Health Sciences  
 Department of Medical Sciences




Medical lab ware,equipments & consumables required for 2024

1. General Consumables




NO:	Item	Description	Required quantity	
1	Parafilm M	Parafilm is for covering or sealing vessels such as flasks, cuvettes, test tubes, beakers, petri dishes and more. 4 IN. X 125 FT. ROLL	2 Roll	
2	Cleaning Brush Set (10 piece)	To be Used to scrape the inner walls of beakers, funnels, test tubes and various other pieces of laboratory equipment and glassware.	Set of 10 x5	
3	Petri dish half plate 90mm	preparation of culture media	200nos	
4	Sterile swab ( wooden stick)	to be used for lawn inoculation	500nos	
5	Alcohol based hand rub ( eg. Sterillium)	To be used for hand asepsis.	20 Nos	



## 2. Chemicals, Reagents, media & test kits

NO:	Item	Description	Required quantity	
6	Potato Dextrose Agar (PDA)	PDA is to be used for growing clinically significant yeast and molds. The nutritionally rich base (potato infusion) encourages mold sporulation and pigment production in some dermatophytes.	1 bottles (Each 100 gram)  2 -year expiry from date of supply	
7	Kovac's indole Reagent	Kovacs reagent is a biochemical reagent consisting of isoamyl alcohol, para-dimethylaminobenzaldehyde (DMAB), and concentrated hydrochloric acid. It is used for the diagnostic indole test, to determine the ability of the organism to split indole from the amino acid tryptophan.	100ml x 3 No's	
8	Simmon citrate Agar	For differentiation the members of Enterobacteriaceae on the basis of citrate utilization from clinical and non clinical samples.	100 gram X 5 bottles  2 -year expiry from date of supply	



9	<b>Nutrient Agar</b>	A general purpose media used for cultivation of less fastidious microorganisms and can be enriched with blood or other biological fluids.	100 gram X 5 bottles 2 -year expiry from date of supply	
10	<b>Ferric Chloride-10% W / V Solution</b>	Ferric Chloride Reagent is used to detect the presence of the enzyme phenylalanine deaminase produced by some bacteria. Organisms possessing the enzyme, phenylalanine deaminase, can convert phenylalanine to the $\alpha$ -keto acid phenylpyruvic acid.	125ml/ 1 bottle	
11	<b>Benedict's Reagent (Qualitative)</b>	for detection of sugar in urine	500ml x 6 bottles 2 -year expiry from date of supply	

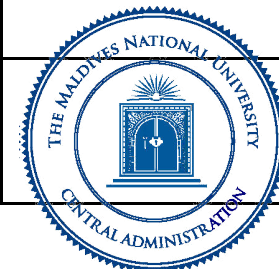


### Blood banking reagents

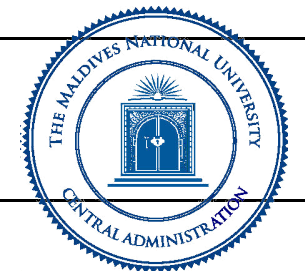
12	Anti- human globulin	To be used for the detection of red blood cell antibodies and antigens in the indirect and direct antiglobulin testing	10ml x 10no's	
13	Anti-A	To be used in ABO blood grouping tests.	10ml x 20no's	
14	Anti-B	To be used in ABO blood grouping tests.	10ml x 20no's	
15	Anti-AB	To be used in ABO blood grouping tests.	10ml x 20no's	
16	Anti-D	To be used for the qualitative in vitro detection of human Rh(D positive red blood cells	10ml x 20no's	
17	Serological albumin 22%	Used as a potentiator in blood group serology.	10 ml x 10 no's	

### Test kits for biochemistry

18	Glucose Test kits	<b>GOD-POD Method</b> In vitro quantitative determination of Glucose in human serum/plasma.	10 nos	
19	Cholesterol	<b>CHOD-POD Method</b> In vitro quantitative determination of cholesterol in human serum/plasma	10 nos	
20	Triglycerides	<b>GPO-POD Method</b> In vitro quantitative determination of Triglycerides in human serum/plasma.	10 nos	
21	urea	<b>UREASE-GLDH-FIXED TIME</b> In vitro quantitative determination of Urea in human serum/plasma.	10 nos	



22	Creatinine	Modified jaffe's Method In vitro quantitative determination of Creatinine in human serum/plasma	10 nos	
23	Uric acid	Uricase/ POD method In vitro quantitative determination of Uric Acid in human serum/plasma	10 nos	
24	Albumin	BCG Dye Method, End Point In vitro quantitative determination of Albumin in human serum/plasma	10 nos	
25	Bilirubin (BIT&BID)	Diazo Method, End point In vitro quantitative determination of Bilirubin in human serum/plasma.	10 nos	
26	Total protein	Biuret Method, Endpoint In vitro quantitative determination of total protein in human serum/plasma.	10 nos	
27	AMPICILLIN /SULBACTAM 10 / 10ug	used for antimicrobial susceptibility	2 Cartridges (50 discs per cartridge)	
28	AMPICILLIN 10MCG	used for antimicrobial susceptibility	2 Cartridges (50 discs per cartridge)	
29	AMOXYCILLIN CLAVULANIC ACID 20/10MCG (Augmentin)	used for antimicrobial susceptibility	2 Cartridges (50 discs per cartridge)	
30	AMOXYCILLIN 10MCG	used for antimicrobial susceptibility	2 Cartridges (50 discs per cartridge)	

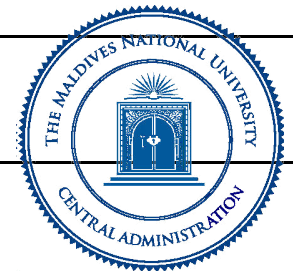




31	AMIKACIN 30 MCG	used for antimicrobial susceptibility	2 Cartridges (50 discs per cartridge)	
32	AZITHROMYCIN 15ug	used for antimicrobial susceptibility	2 Cartridges (50 discs per cartridge)	
33	BACITRACIN 0.04units	used for antimicrobial susceptibility	2 Cartridges (50 discs per cartridge)	
34	CIPROFLOXACIN 5MCG	used for antimicrobial susceptibility	2 Cartridges (50 discs per cartridge)	
35	CLINDAMYCIN 2ug	used for antimicrobial susceptibility	2 Cartridges (50 discs per cartridge)	
36	CLOXACILIN 10ug	used for antimicrobial susceptibility	2 Cartridges (50 discs per cartridge)	
37	CO-TRIMOXAZOLE 25UG	used for antimicrobial susceptibility	2 Cartridges (50 discs per cartridge)	
38	DOXYCYCLINE 30ug	used for antimicrobial susceptibility	2 Cartridges (50 discs per cartridge)	

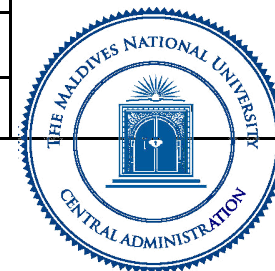







39	ERYTHROMYCIN 15MCG	used for antimicrobial susceptibility	2 Cartridges (50 discs per cartridge)	
40	LEVOFLOXACIN 5ug	used for antimicrobial susceptibility	2 Cartridges (50 discs per cartridge)	
41	MEROPENEM 10mcg	used for antimicrobial susceptibility	2 Cartridges (50 discs per cartridge)	
42	NOVOBIOCIN 5MCG	used for antimicrobial susceptibility	2 Cartridges (50 discs per cartridge)	
43	OPTOCHIN 5ug	used for antimicrobial susceptibility	2 Cartridges (50 discs per cartridge)	
44	PIPERACILLIN 100MCG	used for antimicrobial susceptibility	2 Cartridges (50 discs per cartridge)	
45	PIPERACILLIN TAZOBACTAM 100/10ug	used for antimicrobial susceptibility	2 Cartridges (50 discs per cartridge)	
46	TICARCILLIN/CLAVULONIC ACID 75/10ug	used for antimicrobial susceptibility	2 Cartridges (50 discs per cartridge)	



	Item	Description	Required quantity	Required quantity
47	Micropipette (10µl - 100µl)	<p><b>Micropipette (10µl - 100µl)</b></p> <p>All pipettes shall have the following specs:</p> <ul style="list-style-type: none"> <li>-Incorporated ejector mechanism</li> <li>-Smooth running piston</li> <li>-Sterilizable (without the need for recalibration)</li> <li>-Simple calibration procedure (calibration tool to be included)</li> <li>-Each unit shall have its individual calibration (conformity) certificate</li> <li>-Ergonomic hand grip design with finger rest</li> <li>-Rotary selector knob with clear volume display window</li> <li>-Clear marking of volume range and color coding</li> <li>-Safety label with plastic cover</li> <li>-Blowout step to prevent capillary action in the tip for micro volumes (0.2 ul - 40 ul)</li> <li>-The offer shall include a set of one single channel micropipettes for each of the volume ranges specified below (manufacturer variations are accepted as long as the whole range is covered):</li> </ul> <p>Standards, Safety</p> <ul style="list-style-type: none"> <li>-Should be FDA approved/ CE marked</li> <li>-Calibration certificate must be submitted</li> </ul>	6 nos	
48	Test tube (Glass)	1cm X 9.5cm	500nos	
49		1.5cm X 9.5cm	500nos	
50		1.8cmx7cm	500nos	
51		1.5cmx12cm	200nos	
52		1.5cmx14cm	200nos	



53	Graduated glass Beaker	100ml	20nos	
54	Graduated glass Beaker	150ml	20nos	
55	Hemocytometer (Blood counting chamber)	Manual cell counting	5	
56	Inoculation loops with handle	Nichrome wire loop with Diameter 4mm, double wound, calibrated to 0.01 ml. Loops are fixed to the Aluminum handle.	20	