

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ وَبِالْحَمْدِ لِلَّهِ رَبِّ الْعَالَمِينَ

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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 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 (تعمیراتی) : (05 تعمیراتی)

تعمیراتی	تعمیراتی	تعمیراتی	تعمیراتی
20	20	20	تعمیراتی
تعمیراتی 3 تعمیراتی			

تعمیراتی (15 تعمیراتی)

تعمیراتی 50% تعمیراتی

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
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تعداد	تعداد

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- (a) has withdrawn its Bid during the period of bid validity specified by the Bidder in the Form of Bid; or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)¹ 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]*,² 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]

¹ 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.

² 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)³ 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 date⁴]*. 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]




³ 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.



⁴ Insert the Delivery date stipulated in the Contract Delivery Schedule.


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EQUIPMENT REQUIRED FOR ENGINEERING LAB

#	Item	Qty	Minimum requirement / specifications	Sample image
1	Digital Clamp Meter Include: 1 x digital clamp meter with test leads	15	<ul style="list-style-type: none"> Ac Current: 2a, 20a, 200a, 400a (Auto Ranging) Ac Voltage: 2v, 20v, 200v, 600v (Auto Ranging) Resistance: 200, 2k, 20k, 200k, 2m, 20m (Auto Ranging) Functions: Data Hold, Audible Continuity, Diode Test, Apo Jaw Opening: 25 Mm (Max) NCV and data hold function 	
2	Bench vise	5	<ul style="list-style-type: none"> Head Rotates 360° Vertically, Body Rotates 360° Horizontally (360-Degree Swivel Base) The vise features three different sets of jaws for gripping parts: Machinist Jaws, Pipe Jaws and V-Jaws. Jaw Width (in.) 5 to 5-1/2 Maximum Jaw Opening (in.) 6-3/4 & 10-3/4 Throat Depth (in.): 2.6 to 3-3/4 Pipe Jaw Capacity.5 - 3 inch 	
3	IC logic gates Include: 1 x 7400 quad 2-input NAND 1 x 7404 hex inverter 1 x 7408 quad 2-input AND 1 x 7432 quad 2-input OR 1 x 7402 quad 2-input NOR	200	<ul style="list-style-type: none"> Package: 14 pin Plastic Dual-In-Line Package (PDIP) Supply Voltage: 7V Input Voltage: 5.5V Operating Free Air Temperature: 0°C to +70°C Storage Temperature Range: -65°C to +150°C 	

4	<p>3D printer</p> <p>Include: 1 x 3D printer with all accessories 10 x sets of filament spool 750g each (include PLA, ABS and PVA)</p>	1	<ul style="list-style-type: none"> • Extruder: independent dual extruder for mix color printing with four modes of printing (single mode, double mode, mirror copy mode and duplication mode) • Printing technology: FDM • Minimum Build volume: 300x300x340mm • Nominal print speed: 10~120mm/s • Printing accuracy: 0.05-0.3 mm • Nozzle diameter: 0.4mm • Layer Resolution: 0.1mm • Layer Thickness: 0.05-0.3mm • Positioning Accuracy: X/Y 0.0125mm, Z 0.0010mm • Filament: ABS/PLA/flexible PLA, PVA etc • Electrical Input rating: 110V/220V AC, 50/60Hz • Frame: strong (aluminum profile) • Software: compatible with windows operating system • Connectivity: at least Memory card and Data cable (SD card or USB pen drive port for stand-alone printing with LCD display), Ethernet or Wi-fi is preferable • Power resume printing: Power loss recovery • Leveling: Auto leveling • Slicing software options: repetiteur-Host, EasyPrint 3D, Cura • File format: STL/.Gcode • Filament runout detector: Yes • Thermal runaway protection: Yes • Warranty: minimum 2 years 	 
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5	<p>Universal Testing Machine</p> <p>Include: 1 x universal testing machine with a full package including extensometer, manual positioning and setup operation, load cell, clamping tool/testing tool, adapter set, and specimen grips etc.</p>	1	<ul style="list-style-type: none"> • Test load (nominal load): 0.5 to 5kN • Types of tests: tensile test, compression test and flexural test • Minimum Testing Space: 1100 mm (Height), 420 mm (Width) • Speed Range : 0.5 to 500 mm/min • Speed Setting resolution: 1.0 mm/min • Speed accuracy: $\pm 0.5\%$ or 0.025 mm/min • Area of application: Tensile tests on plastics, metals and other materials • Non-contact strain measurement and test recording using video Capturing capability • Integrated PC for performing, recording and documenting the test • Electrical connection: 230 VAC, 50/60 Hz 	
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