



مختصر دورہ قراقرم سولائٹس لائبریری اور سوسٹی اور کتب خانہ

رہبر سولائٹس، قراقرم

مختصر دورہ

دوسرا دورہ: مختصر دورہ قراقرم سولائٹس لائبریری اور سوسٹی اور کتب خانہ

مختصر دورہ

مختصر دورہ: (IUL)268/2026/15

مختصر دورہ: 08 جے 2026



10	10.1	<p>10.1.1</p> <p>10.1.2</p> <p>10.1.3</p> <p>10.1.4</p> <p>10.1.5</p>	<p>10</p> <p>10.1</p> <p>10.1.1</p> <p>10.1.2</p> <p>10.1.3</p> <p>10.1.4</p> <p>10.1.5</p>
11	11.1	11.1	11
12	12.1	12.1	12
13	13.1	13.1	13
	13.2	13.2	
14	14.1	14.1	14
	14.2	14.2	
	14.3	14.3	
15	15.1	15.1	15
	15.2	15.2	
	15.3	15.3	
16	16.1	16.1	16
	17.1	17.1	17



29.3	29.3	29.3	29.3	29.3	29.3
30.1	30.1	30.1	30.1	30.1	30.1
31.1	31.1	31.1	31.1	31.1	31.1
31.2	31.2	31.2	31.2	31.2	31.2
31.3	31.3	31.3	31.3	31.3	31.3
32.1	32.1	32.1	32.1	32.1	32.1
32.2	32.2	32.2	32.2	32.2	32.2
32.3	32.3	32.3	32.3	32.3	32.3
32.4	32.4	32.4	32.4	32.4	32.4
33.1	33.1	33.1	33.1	33.1	33.1
33.2	33.2	33.2	33.2	33.2	33.2



תקופת הריבוי והצמיחה של ההון המיועד להשקיע בהם, תהיה כ- 10 שנים.
הצמדה.

34.1 תמיכה פיננסית 34
תמיכה פיננסית 500,000/- (חמש מאות אלף) תמיכה פיננסית פועל דמיית הריבוי
תמיכה פיננסית להקמתו של המפעל והשקיע בהם, תהיה כ- 10 שנים.
הצמדה.

34.2 תמיכה פיננסית 34
תמיכה פיננסית להקמתו של המפעל והשקיע בהם, תהיה כ- 10 שנים.
הצמדה.

34.3 תמיכה פיננסית 34
תמיכה פיננסית להקמתו של המפעל והשקיע בהם, תהיה כ- 10 שנים.
הצמדה.

35.1 35
תמיכה פיננסית 500,000.00 (חמש מאות אלף) תמיכה פיננסית פועל דמיית הריבוי
תמיכה פיננסית להקמתו של המפעל והשקיע בהם, תהיה כ- 10 שנים.
הצמדה.

35.2 35
תמיכה פיננסית להקמתו של המפעל והשקיע בהם, תהיה כ- 10 שנים.
הצמדה.

36.1 36
תמיכה פיננסית להקמתו של המפעל והשקיע בהם, תהיה כ- 10 שנים.
הצמדה.

36.2 36
תמיכה פיננסית להקמתו של המפעל והשקיע בהם, תהיה כ- 10 שנים.
הצמדה.

36.3 36
תמיכה פיננסית להקמתו של המפעל והשקיע בהם, תהיה כ- 10 שנים.
הצמדה.

36.4 36
תמיכה פיננסית להקמתו של המפעל והשקיע בהם, תהיה כ- 10 שנים.
הצמדה.



<p>37.1 37 37.2 38 39 40 41 42</p>	<p>37.1 37.2 38.1 39.1 40.1 41.1 42.1</p>	<p>37 38 39 40 41 42</p>
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05 - 05

05 - 05		
05 - 05	05 - 05	05 - 05
50	$50 \times \frac{\text{05 - 05}}{\text{05 - 05}} = \text{05 - 05}$	05
30	$30 \times \frac{\text{05 - 05}}{\text{05 - 05}} = \text{05 - 05}$	05
05	<p>05 - 05</p> <p>05 - 05</p> <p>05 - 05</p> <p>05 - 05</p> <p>05 - 05</p>	05
10	<p>05 - 05</p> <p>05 - 05</p> <p>05 - 05</p> <p>05 - 05</p> <p>05 - 05</p>	05
05	$5 \times \frac{\text{05 - 05}}{\text{05 - 05}} = \text{05 - 05}$	05
100		05



مركز الدراسات والبحوث والابتكار في مجال البناء والبنية التحتية
 Research and Innovation Center in Building and Infrastructure

Category	Specifications
General	
Type	Excavator
Brands	Kobelco, Catterpillar, Komatsu
Recommended Brand/Model	Kobelco, Catterpillar, Komatsu -75
Condition	Brand New
Year of manufacture	2023 or later
Tonnage (Tons)	7 – 8 Tons
Working weight (kg)	6800 – 7500 kg
Bucket capacity (m ³)	0.3m ³ – 0.5m ³
Bucket Type	Backhoe bucket
Dozer blade	Must include
Engine	
Engine fuel type	Diesel
Rated power (kW/rpm)	40 – 45kW /2,000 – 2,300 rpm
Cooling method	Water cooling
Number of cylinders	4 - 6
Displacement (L)	2 – 2.5L
Type	Direct injection, turbocharges, built-in intercooling
Maximum torque	200 N.m/1,600 min-1 or higher
Speed	
Travel Speed (km/h)	2.5 or higher
Hydraulic System	
Pump type & Pump info:	One variable displacement pump + 1 gear pump
Cab & Control	
Cab features	All-weather, sound-suppressed steel cab mounted on the silicon-sealed, viscous mounts and equipped with a heavy, insulated floor mat or similar
Control	Two hand levers and two-foot pedals for travel, Electric rotary-type engine throttle or similar
Oil/Fuel Capacity	
Fuel Tank (L)	140 - 160
Hydraulic Tank (L)	60 – 80
Engine Oil change (L)	10 – 20
Coolant (L)	8 – 15
Hydraulic system	95 - 130
Dimensions	
Length (mm)	6000 - 7000
Width (mm)	2000 - 3000
Height (mm)	2000 - 3000
Working Ranges	
Max.digging reach (m)	6 - 10



Max.digging depth (m)	4 - 10
Max.digging height (m)	7 - 10
Min. swing radius (m)	1.5 - 3
Digging Force	
Arm length	1.5m – 2.0m
Bucket digging force	48 kN or higher
Arm crowding force	35 kN or higher



Form of Bid Security (Bank Guarantee)

WHEREAS,[name of Bidder] (hereinafter called "the Bidder") has submitted his Bid for the Tender no.....issued by the Ministry of Education onfor Supplying/Purchasing of[name of Contract] (hereinafter called "the Bid").

KNOW ALL PEOPLE by these presents that We [name of Bank] of [name of country] having our registered office at (hereinafter called "the Bank") are bound unto[name of Purchaser] (hereinafter called "the Purchaser") in the sum of *..... for which payment well and truly to be made to the said Purchaser, the Bank binds itself, its successors, and assigns by these presents.

SEALED with the Common Seal of the said Bank thisday of20.....

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 Purchaser 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 pursuant to Clause 27,

* The Bidder should insert the amount of the Guarantee in words and figures denominated in Maldivian Rufiyaa. This figure should be the same as shown in Clause 16.1 of the Instructions to Bidders.

we undertake to pay to the Purchaser up to the above amount upon receipt of his first written demand, without the Purchaser's having to substantiate his demand, provided that in his demand the Purchaser 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 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 Purchaser, 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]



Form of Performance Bank Guarantee (Unconditional)

To:
[name & address of Purchaser]
.....
.....

WHEREAS [name and address of Supplier] (hereinafter called "the Supplier") has undertaken, in pursuance of Contract No. dated to execute [name of Contract and brief description of Works] (hereinafter called "the Contract");

AND WHEREAS it has been stipulated by you in the said Contract that the Supplier 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 Supplier such a Bank Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Supplier, up to a total of * [amount of Guarantee] [amount in words], such sum being payable in the types and proportions of currencies in which the Contract Price is 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.

*An amount is to be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract, in Maldivian Rufiyaa.

We hereby waive the necessity of your demanding the said debt from the Supplier 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 Works to be performed there under or of any of the Contract documents which may be made between you and the Supplier 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 the date of issue of the Defects Correction Certificate.

SIGNATURE AND SEAL OF THE GUARANTOR

Name of Bank

Address

Date



Form of Bank Guarantee for Advance Payment

To:
[name & address of Purchaser]

.....
[name of Contract]

Gentlemen:

In accordance with the provisions of the Conditions of Contract, of the above-mentioned Contract,
.....[name and address of Supplier] (hereinafter called "the Supplier") shall deposit with [name of Purchaser] a Bank Guarantee to guarantee his proper and faithful performance under the said Clause of the Contract in an amount of[amount of Guarantee][amount in words].

We, the
[Bank or Financial Institution], as instructed by the Supplier, agree unconditionally and irrevocably to guarantee as primary obligator and not as Surety merely, the payment to [name of Purchaser] on his first demand without whatsoever right of objection on our part and without his first claim to the Supplier, in the amount not exceeding *..... [amount of Guarantee]..... [amount in words].

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

* An amount is to be inserted by the Bank or Financial Institution representing the amount of the Advance Payment, in Maldivian Rufiyaa.

This Guarantee shall remain valid and in full effect from the date of the advance payment under the Contract until[name of Purchaser] receives full repayment of the same amount from the Supplier.

Yours truly,
SIGNATURE AND SEAL:
NAME & ADDRESS OF BANK/INSTITUTION



Category	Specifications
General	
Type	
Brands	
Recommended Brand/Model	
Condition	
Running duration	
Year of manufacture	
Tonnage (Tons)	
Working weight (kg)	
Bucket capacity (m ³)	
Bucket Type	
Dozer blade	
Engine	
Engine fuel type	
Rated power (kW/rpm)	
Cooling method	
Number of cylinders	
Displacement (L)	
Type	
Maximum torque	
Speed	
Travel Speed (km/h)	
Hydraulic System	
Pump type & Pump info:	
Cab & Control	
Cab features	
Control	
Oil/Fuel Capacity	
Fuel Tank (L)	
Hydraulic Tank (L)	
Engine Oil change (L)	
Coolant (L)	



Hydraulic system	
Dimensions	
Length (mm)	
Width (mm)	
Height (mm)	
Working Ranges	
Max.digging reach (m)	
Max.digging depth (m)	
Max.digging height (m)	
Min. swing radius (m)	
Digging Force	
Arm length	
Bucket digging force	
Arm crowding force	



اساتذہ کرام کے لیے موضوع	
اساتذہ کرام کے لیے موضوع	سریں
اساتذہ کرام کے لیے موضوع	33-1
اساتذہ کرام کے لیے موضوع	33-2
اساتذہ کرام کے لیے موضوع	33-3
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