

<p>1 - 1, 2024</p>	
<p>2024</p>	<p>2024</p>
<p>1.1</p> <p>2024</p> <p>(IUL)254/254/2024/55</p> <p>2024</p>	<p>1.1</p> <p>2024</p> <p>(IUL)254/254/2024/55</p> <p>2024</p>
<p>1.2</p> <p>2024</p> <p>2024</p>	<p>1.2</p> <p>2024</p> <p>2024</p>
<p>1.3</p> <p>2024</p> <p>6500034</p> <p>info@thakandhoo.gov.mv</p>	<p>1.3</p> <p>2024</p> <p>6500034</p> <p>info@thakandhoo.gov.mv</p>
<p>1.4</p> <p>2024</p> <p>2024</p>	<p>1.4</p> <p>2024</p> <p>2024</p>
<p>1.5</p> <p>2024</p> <p>10:00</p>	<p>1.5</p> <p>2024</p> <p>10:00</p>
<p>1.6</p> <p>2024</p>	<p>1.6</p> <p>2024</p>
<p>1.7</p> <p>2024</p>	<p>1.7</p> <p>2024</p>
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<p>1.9</p> <p>2024</p>	<p>1.9</p> <p>2024</p>
<p>1.10</p> <p>2024</p>	<p>1.10</p> <p>2024</p>

ސަލާސަވަރު - 5، ޖަދުވަލު 5

ޖަދުވަލު 1 -

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Form of Bid Security (Bank Guarantee)

WHEREAS,[*name of Bidder*] (hereinafter called “the Bidder”) has submitted his Bid for the Project no.....issued by the Ministry of Finance and Treasury onfor construction 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 16.1.7 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

9.3 - ...

... ..

9.4 - ...

9.5 - ...

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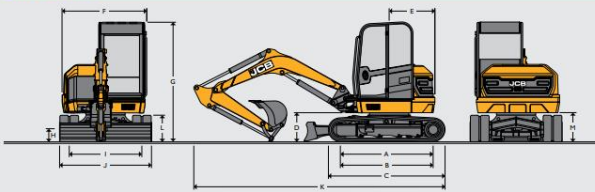
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STATIC DIMENSIONS



Machine model		50z	51r	55z
A	Sprocket idler centres	mm	1985	
B	Track length on ground	mm	1985	
C	Undercarriage overall length – steel	mm	2490	
D	Kingpost clearance	mm	631	
E	Following radius	mm	975	1030
F	Overall width of superstructure	mm	1820	1850
G	Height over cab	mm	2551	
H	Ground clearance	mm	300	
I	Track gauge	mm	1550	
J	Width over tracks	mm	1950	
K	Transport length with standard dipper	mm	5353	5349
L	Track height	mm	560	
M	Counterweight clearance	mm	618	

ENGINE

		Standard		
Machine model		50z 51r 55z		
Model		Stage 3A 404D-22		
Fuel		Diesel		
Cooling		Water cooled		
Gross power ISO 14396	kW	35.7 (@ 2600rpm)		
Net power	kW	33.1 (@ 2600rpm)		
Gross torque ISO 14396	Nm	143 (@ 1800rpm)		
Displacement	cc	2179		
Gradeability	degrees	35		
Starter motor	kW	2		
Battery	volt / amps	12V / 75Ah		
Alternator	amps (Air con)	85		

UNDERCARRIAGE

Machine model		50z	51r	55z
No of top rollers		1		
No of bottom rollers		4		
Track width steel	mm	400		
Ground bearing pressure (400mm tracks)	kg/cm ²	0.30	0.32	0.35
Ground bearing pressure (550mm tracks)	kg/cm ²	0.22	0.23	0.25
Track tensioning		Grease		
Travel speed – low	kph	3		
Travel speed – high	kph	4.6		
Tractive effort	kN	35.7	36.5	38.1

HYDRAULIC SYSTEM

Machine model		50z	51r	55z
Pump	cc	63		
Nominal output @ 2000rpm	lpm	126		
Excavator/track main relief pressure	bar	240	265	
Slew main relief pressure	bar	216		
Auxiliary hydraulic pressure (Low)	bar	190		
Auxiliary hydraulic pressure (High)	bar	190		
Auxiliary hydraulic flow (Low)	lpm	40		
Auxiliary hydraulic flow (High)	lpm	90		
Hydraulic pump		Piston		

WEIGHTS

Machine model		50z	51r	55z
Operating weight* (400mm steel tracks)	kg	4946	5266	5520
Shipping** weight (400mm steel tracks)	kg	4816	5136	5390
Operating weight* (550mm steel tracks)	kg	5068	5388	5642
Shipping** weight (550mm steel tracks)	kg	4938	5258	5512

* Operating weight to ISO 6016 including cab, steel track, standard dipper, 600mm bucket, full tanks and a 75kg operator.
 ** Shipping weight to ISO 6016 is max of the base machine without an operator, with the fuel level at 10% of tank capacity.
 Note: Weight for canopy variant would be less by 65 kg.

SERVICE CAPACITIES

Machine model		50z	51r	55z
Fuel tank	ltr	76		
Engine coolant	ltr	12 (Canopy)/13.2 (AC Cabin)		
Engine oil	ltr	9.1 max		
Hydraulic system	ltr	100		
Hydraulic tank	ltr	55		

OPERATOR ENVIRONMENT

Machine model		50z	51r	55z
Cab/canopy height	mm	2551		
Cab/canopy height with FOGS gear level I	mm	2575		
Cab/canopy length	mm	1291		
Cab/canopy width	mm	1020		
Door aperture width	mm	552		

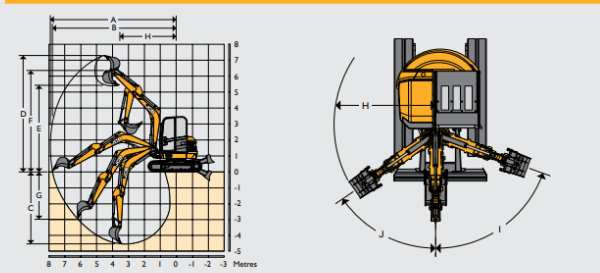
STANDARD EQUIPMENT

ROPS & TOPS certified canopy, colour LCD display, digital clock, internal lockable toolbox, cup holder, coat hook, storage net, USB port, 12v accessory socket, operator face fan, steel track (400mm), full audio/visual warning systems, auto idle throttle, one touch idle, 4 power bands (light, eco, heavy & heavy plus), ISO servo controls with electro hydraulic dozer lever, electro-proportional thumb controlled high flow single acting auxiliary joystick mounted hammer switch, neutral start function, full control isolation, 2GO hydraulic isolation, midback suspension seat, removable floormat, 2 speed tracking, auto lockdown track motors, double element air cleaner, heavy duty alternator, heavy duty battery, hydraulic slew braking with disc type park brake, ORFS hydraulics, colour coded hydraulic hoses, 500hrs dig end greasing intervals, heavy duty boom cylinder guard, 100% steel bodyworks, dedicated tie down and lifting points, JCB LiveLink, battery isolator tool kit, exterior cab mounted mirrors & bushed kingpost.

OPTIONAL EQUIPMENT

Protected boom worklight, fully glazed ROPS & TOPS certified cab with programmable Intermittent wiper with wash/wipe, 3 speed heater/demister with 8 adjustable air vents, air conditioning with 8 adjustable air vents, track shoe options 550mm steel, arm option (1.45m, 1.57m), buckets (450mm, 600mm, 750mm, 900mm), fan guards, high back seat, quick hitch, hydraulic hammers, travel alarm, grease gun & cartridge, fire extinguisher, interior mirror, electric refuelling pump, duel pattern controls (ISO/SAE change-over) & LED or halogen worklights.

WORKING RANGE



		50z	51r	55z
Dipper length	mm	1450	1570	
Boom length	mm	2700		2866
A	Max digging reach	5846	5962	6119
B	Max digging reach on ground	5714	5832	5995
C	Max digging depth – dozer up	3327	3447	3606
C	Max digging depth – dozer down	3532	3652	3843
D	Max digging height	5387	5473	5664
E	Max dump height	4001	4088	4274
F	Max height to dipper nose pivot pin	4679	4764	4970
G	Max vertical wallcut depth	1971	2069	2052
H	Min front swing radius (no offset)	2599	2631	2641
H	Min front swing radius (fully offset)	2123	2151	2160
I	Boom swing left	degrees 70		
J	Boom swing right	degrees 55		
	Bucket rotation	degrees 181		
	Dipper rotation	degrees 121		
	Bucket tearout	kN	38	42
	Dipper tearout	kN	22	29
	Slew speed	rpm 8.3		

DOZER

Machine model		50z	51r	55z
Dozer length	mm	1141		
Max height above ground	mm	433		
Dig depth below ground	mm	464		
Approach angle	degrees	31		
Width	mm	1962		
Height	mm	400		

