

Jerrick Hernandez < jhernandez@guamopa.com>

OPA-PA-24-001, In the Matter of the Appeal of Morrico Equipment, LLC

Camarine Hopkins <camarine@camachotaitano.law> To: Jerrick Hernandez <jhernandez@guamopa.com>

Fri, Jul 19, 2024 at 1:47 PM

Hafa Adai Jerrick,

Camacho & Taitano LLP through Shannon Taitano, Esq., co-counsel for Guam Solid Waste Authority hereby submits this email filing regarding the above subject procurement appeal. This email consists of four (4) attachments, as follows:

- Guam Solid Waste Authority's Witness List (1 page)
- Guam Solid Waste Authority's Exhibit List (**224 pages**)
- Guam Solid Waste Authority's List of Issues (2 pages)
- Guam Solid Waste Authority's Admission of Facts (2 pages)

Please let me know if you have any questions or issues with viewing or downloading the attachments.

Thank you, Camarine

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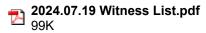
Camarine Ann S. Hopkins Office Manager



204 Hesler Place Suite 203B Hagåtña, Guam 96910 Phone: (671) 989-2023 www.camachotaitano.law

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4 attachments



2024.07.19 List of Issues.pdf 100K

2024.07.19 Admission of Facts.pdf 102K

2024.07.19 Exhibit List .pdf 10893K

1	SHANNON TAITA CAMACHO & TAI	, <u>-</u>	
2	204 Hesler Place, S	Suite 203B	
3	Hagåtña, Guam 96 Telephone: (671) 9		
4			1 117
5	Co-counsel for Purc	chasing Agency <i>Guam Soli</i>	a waste Autnority
6			
7	l II	N THE OFFICE OF PUBL	
8		PROCUREMEN	NT APPEAL
9	IN THE APPEAL	OF:) Docket No. OPA-PA-24-001
10	MORRICO EQU	UIPMENT, LLC,)) GUAM SOLID WASTE
11		Ama allant) AUTHORITY'S EXHIBIT LIST
12		Appellant,)
13	vs.)
14	GUAM SOLID	WASTE AUTHORITY,)
15		Purchasing Agency.))
16 17	COMES NO	PW , Guam Solid Waste A	authority, by and through its co-counsel,
18	 Shannon Taitano, F	Esg., and hereby submits C	Guam Solid Waste Authority's Exhibit List
19	which are as follow		·
20			
21	Exhibit 1.	Invitation for Bid No. GS	SWA-004-24 (IFB)
22	Exhibit 2.	Bidder's Registry Log	
23	Exhibit 3.	IFB Amendment No. 2	
24	Exhibit 4.	Amendment Distribution	n Log
25	Exhibit 5.	Morrico's Stamped Rece	ived Copy of IFB Amendment No. 2
26			
	Guam Solid Waste Aut Page 1 of 2	hority's Exhibit List	

1	Exhibit 6.	Questions from Potential Bidders
2	Exhibit 7.	Responses to Questions
3	Exhibit 8.	Morrico's Stamped Received Copy of Responses
4	Exhibit 9.	Excerpts of Morrico's Bid
5	Exhibit 10.	Excerpts of Far East Equipment Company, LLC
6	Exhibit 11.	Bid Analysis
7	Exhibit 12.	Bid Abstract
8		
10	Exhibit 13.	Bid Status
	Exhibit 14.	Market Research
11	Exhibit 15.	Email transmittal to Morrico of Amendment No. 2
12 13	Exhibit 16.	Far East Equipment email to GSWA
14	Exhibit 17.	GSWA-004-24 Specs Draft with Request to Review and Prepare Spec Sheet for Bid
15	Exhibit 18.	Examples of Other Manufacturers Specifications
16	Dated this 19	9th day of July 2024.
17		
18		CAMACHO & TAITANO LLP Co-counsel for Purchasing Agency
19		
20		By: SHANNON TA TEANO
21		SHANNON TAITANO
22		
23		
24		
25		

26

EXHIBIT 1

LOURDES A. LEON GUERRERO Governor of Guam

GUAM SOWATROCUREMAN SECONDA GOTHORITY

JOSHUA F. TENORIO



INVITATION FOR BID NO.: GSWA-004-24

DESCRIPTION: COMPACT WHEEL LOADER W/ ATTACHMENTS

SPECIAL REMINDER TO PROSPECTIVE BIDDERS

Bidders are reminded to read the Sealed Bid Solicitation and Instructions, and General Terms and Conditions attached to the IFB to ascertain that all of the following requirements checked below are submitted in the bid envelope, in duplicate, and the date and time for bid opening.

- BID GUARANTEE (15% of Bid Amount) May be in the form of; Reference #11 on the General Terms and Conditions
 - a. Cashier's Check or Certified Check
 - b. Letter of Credit
 - c. Surety Bond Valid only if accompanied by:
 - 1. Current Certificate of Authority issued by the Insurance Commissioner;
 - 2. Power of Attorney issued by the Surety to the Resident General Agent;
 - 3. Power of Attorney issued by two (2) major officers of the Surety to whoever is signing on their behalf.
- (X) BROCHURES/DESCRIPTIVE LITERATURE;
- (X) AFFIDAVIT DISCLOSING OWNERSHIP, INFLUENCE, COMMISSION, & CONFLICT OF INTEREST
 - a. Date of signature of the person authorize to sign the bid and the notary date must be the same.
- (X) OTHER REQUIREMENTS:

Affidavit re Non-Collusion, Affidavit re No Gratuities or Kickbacks, Affidavit re Ethical Standards, Affidavit D.O.L. Wage Determination, Affidavit re Contingent Fees, Special Provision; Restriction Against Sexual Offenders

2022 1

CURRENT BUSINESS LICENSE / CONTRACTOR'S LICENSE / SPECIALTY (X) **LICENSE**

IN REFERENCE TO SUPPLIES OR SERVICES FOR THIS BID

This reminder must be signed and returned in the bid envelope together with the bid. Failure to comply with the above requirements may be cause for disqualification and rejection of bid.

On this	day of	, 2023, I	, authorized
representative	of	acknowledge rec	ceipt of this special
reminder to pr	rospective bidders with the	he above referenced IFB.	
		Bidder Representative's	Signature



GUAM SOLID WASTE AUTHORITY

LOURDES A. LEON GUERRERO Governor of Guam

JOSHUA F. TENORIO Lt. Governor of Guam





INVITATION FOR BID

NA M	SSUING OFFICE:
IRVIN L. SLIKE General Manager	GUAM SOLID WASTE AUTHORITY 546 NORTH MARINE CORPS DRIVE TAMUNING, GUAM 96913
BID INVITATION NO.: BID FOR: SPECIFICATION: DESTINATION: G	1/03/2023 SWA-004-24 OMPACT WHEEL LOADER W/ ATTACHMENTS EE ATTACHED UAM SOLID WASTE AUTHORITY 00 DAYS UPON RECEIPT OF PURCHASE ORDER
INSTRUCTIONS TO BIDDERS: INDICATE WHETHER:INDIVINCORPORATED IN:	ZIDUALPARTNERSHIPCORPORATION
Date: 11/20/2023, and shall be publicly opened. See attached General Terms and Conditions and The undersigned offers and agrees to furnish upposite the respective items listed on the schedule.	led to the issuing office no later than (Time) 1:00PM, Bid submitted after the time and date specified above shall be rejected. If Sealed Bid Solicitation for details. Within the time specified, the articles and services at the price stated rule provided, unless otherwise specified by the bidder. In consideration abulating, and evaluating this and other bids, and other considerations,
the undersigned agrees that this bid remain firm the date opening to supply any or all the items of NAME AND ADDRESS OF BIDDER	
AWARD: CONTRACT NO.:	AMOUNT: DATE:
ITEM NO(S). AWARDED:	
	CONTRACTING OFFICER:
	IRVIN L. SLIKE DATE General Manager
NAME AND ADDRESS OF CONTRACT	OR: SIGNATURE AND TITLE OF PERSON AUTHORIZED TO SIGN THIS CONTRACT:
)—————————————————————————————————————	

AFFIDAVIT DISCLOSING OWNERSHIP, INFLUENCE, COMMISSIONS AND CONFLICTS OF INTEREST

(Required by 5 GCA § 5233 as amended by P.L. 36-13 (4/9/2021))

CITY	OF)) ss.		
ISLA	ND OF	GUAM)		
under this A influer days p to disc submit	Guam's I ffidavit race, commerceding lose any tring this	Procurement Law frequires all Bidder missions, gratuities the publication of changes to the fact Affidavit is award.	for the purposes/Offerors/F , kickbacks, f this solicion ets disclosed led a contra	offer/Proposal or responding to any method of some of entering into a contract with the government of the prospective Contractors to make disclosures, and conflicts of interest occurring during the tation and until award of a contract. This is a disclosure throughout the solicitation process; and the duty to disclose any changes to the contract, including any extensions or renew	ment of Guam, s of ownership, e 365 calendar acludes the duty and if the entity facts disclosed
A.				orn, depose and say that I am an authorized reactor and that (please check and fill out all the	
	[]		and all profi	ve Contractor is an individual with a business t is for, that same individual, with principal p	lace of business
	[]	(as defined in 1 G	CA § 715 o	etive Contractor is a business or ar or 5 GCA §§ 5030(n) or 5233(b)), and is a solors being:	e proprietorship
	[]	(as defined in 1 of following multiple	GCA § 715 e individual	ctive Contractor is a business or ar 5 or 5 GCA §§ 5030(n) or 5233(b)), and is s. Note: owners of more than 10% are statuted the second of smaller percentage are encouraged to be	s owned by the orily required to
		Name of Owner		Principal Place of Business Street Address	% of Interest
				_	

Commissions an	ng Ownership, Influenced Conflicts of Interest Form 002 (Rev. 11/17/2		
[]	Any more-than-2 per 5 GCA § 5233	the more-than-10% owners listed above is a business or artification of such a business or artificial person are 3. Note: any less-than-25% owners of such a business or artificals be listed below.	listed below
Name of >10	% Owner Busine	ss or Artificial Person:	
Owner Busine Person ("S	ers of the >10% ess or Artificial Second Tier ner")	Owner's Principal Place of Business Street Address	% of Interest
Name of oth	er >10% Owner E	Business or Artificial Person:	
>10% Owne Artificial Per	wners of the er Business or rson ("Second Dwner")	Owner's Principal Place of Business Street Address	% of Interest
such S	Second Tier Owne	r identified above is an artificial person, the natural or artificater who have held more than 49% of the shares or into the Contractor (Third Tier Owners) are as follows [if none, ple	terest in the
Second	l Tier Owner Name	2	
Name	e of Third Tier Own	ner Principal Place of Business Street Address	% of Interest

Affidavit Disclosing Ownership, Influence, Commissions and Conflicts of Interest AG Procurement Form 002 (Rev. 11/17/2021)

C. If the name of no natural person has been identified as an owner, or a Second or Third Tier Owner of the Bidder/Offeror/Prospective Contractor, please identify the name, position, address, and contact information of the natural person having the authority and responsibility for the Bid/Offer/Proposal/Prospective Contract, and the name of any natural person who has the authority and power to remove and replace the designated responsible person:

Name of Natural Person	Position	Street Address of Principal Place of Business	Phone Number, Email Address, and other Contact Information

	her compensation to solicit, secure, or assist in obtainsal/Prospective Contract for which this Affidavit is state):	
Name	Principal Place of Business Street Address	Amount Compens
who are also employ federal funds are Bid/Offer/Proposal/I	the persons who have directly or indirectly participated yees of the government of Guam or the government of the compressive Contract for which this Affidavit is submark.	of the United Sta atract related to
who are also employ federal funds are	yees of the government of Guam or the government to be used in the payment of the cor Prospective Contract for which this Affidavit is subn	of the United Sta atract related to nitted, are as follo
who are also employ federal funds are Bid/Offer/Proposal/I none, please so state	yees of the government of Guam or the government to be used in the payment of the correspective Contract for which this Affidavit is submediately:	of the United Sta atract related to nitted, are as follo
who are also employ federal funds are Bid/Offer/Proposal/I none, please so state Name Regardless of any over the state of the state o	yees of the government of Guam or the government to be used in the payment of the correspective Contract for which this Affidavit is submediately:	of the United Stantract related to nitted, are as followers.

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Affidavit Disclosing Ownership, Influence, Commissions and Conflicts of Interest AG Procurement Form 002 (Rev. 11/17/2021)

NOTARY PUBLIC

My commission expires: ____

G. Until award of the contract, and throughout the term of any contract awarded to the Bidder/Offeror/Prospective Contractor represented herein, I agree to promptly make any disclosures not made previously and update changes in ownership, identities of owners and other required information, interests, compensation or conflicts of the persons required to be disclosed. I understand that failure to comply with this requirement shall constitute a material breach of Н. I hereby declare under penalty of perjury under the laws of Guam that the foregoing is true and Executed on: (date) Signature of one of the following: Bidder/Offeror/Prospective Contractor, if a licensed individual Owner of sole proprietorship Bidder/Offeror/Prospective Contractor Partner, if the Bidder/Offeror/Prospective Contractor is a partnership Officer, if the Bidder/Offeror/Prospective Contractor is a corporation Subscribed and sworn to before me This _____ day of _______, 20 _____.

AFFIDAVIT RE NON-COLLUSION

CITY OF)
ISLAND OF GUAM) SS.
	[state name of affiant signing below], being first duly
sworn, deposes and says that:	[state name of affilm signing below], being hist daily
1. The name of the of	ffering company or individual is [state name of company]
offeror has not colluded, conspired, of person, to put in a sham proposal or to directly or indirectly, sought by an aperson to fix the proposal price of of element of said proposal price, or of government of Guam or any other offer any person interested in the proposed of	tation identified above is genuine and not collusive or a sham. The connived or agreed, directly or indirectly, with any other offeror or or refrain from making an offer. The offeror has not in any manner, agreement or collusion, or communication or conference, with any feror or of any other offeror, or to fix any overhead, profit or cost at that of any other offeror, or to secure any advantage against the feror, or to secure any advantage against the government of Guam or contract. All statements in this affidavit and in the proposal are true indersigned. This statement is made pursuant to 2 GAR Division 4
3. I make this statement on be offeror's officers, representatives, age	chalf of myself as a representative of the offeror, and on behalf of the nts, subcontractors, and employees.
	Signature of one of the following:
	Offeror, if the offeror is an individual; Partner, if the offeror is a partnership; Officer, if the offeror is a corporation.
Subscribed and sworn to before me	
this, 20	·
NOTARY PUBLIC	
My commission expires	
AG Procurement Form 003 (Jul. 12, 2010)	

AFFIDAVIT re NO GRATUITIES or KICKBACKS

CITY OF)
ISLAND OF GUAM)
[state name of affiant signing below], being
first duly sworn, deposes and says that:
1. The name of the offering firm or individual is [state name of offeror company] Affiant is [state one of the following: the offeror, a partner of the offeror, an officer of the offeror] making the foregoing
identified bid or proposal.
2. To the best of affiant's knowledge, neither affiant, nor any of the offeror's officers representatives, agents, subcontractors, or employees have violated, are violating the prohibition against gratuities and kickbacks set forth in 2 GAR Division 4 § 11107(e). Further, affiant promises, on behalf of offeror, not to violate the prohibition against gratuities and kickbacks as set forth in 2 GAR Division 4 § 11107(e).
3. To the best of affiant's knowledge, neither affiant, nor any of the offeror's officers representatives, agents, subcontractors, or employees have offered, given or agreed to give, any government of Guam employee or former government employee, any payment, gift, kickback, gratuity or offer of employment in connection with the offeror's proposal.
4. I make these statements on behalf of myself as a representative of the offeror, and on behalf of the offeror's officers, representatives, agents, subcontractors, and employees.
Signature of one of the following: Offeror, if the offeror is an individual;
Partner, if the offeror is a partnership; Officer, if the offeror is a corporation.
Subscribed and sworn to before me
this day of, 200
NOTARY PUBLIC My commission expires,

AG Procurement Form 004 (Jul. 12, 2010)

AFFIDAVIT RE ETHICAL STANDARDS

CITY OF	
ISLAND OF GUAM)	
	[state name of affiant signing below], being first
duly sworn, deposes and says that:	
best of affiant's knowledge, neither affiant no employees of offeror have knowingly influence ethical standards set forth in 5 GCA Chapter 5 she, nor any officer, representative, agent,	[state one of the following: the offeror, r] making the foregoing identified bid or proposal. To the or any officers, representatives, agents, subcontractors or d any government of Guam employee to breach any of the 5, Article 11. Further, affiant promises that neither he or subcontractor, or employee of offeror will knowingly o breach any ethical standards set forth in 5 GCA Chapter ant to 2 GAR Division 4 § 11103(b).
	Signature of one of the following: Offeror, if the offeror is an individual; Partner, if the offeror is a partnership; Officer, if the offeror is a corporation.
Subscribed and sworn to before me this day of, 201	
NOTARY PUBLIC	
My commission expires	

AG Procurement Form 005 (Jul. 12, 2010)

DECLARATION RE COMPLIANCE WITH U.S. DOL WAGE DETERMINATION

Procurement No.:
Name of Offeror Company:
I, hereby certify under penalty of perjury:
(1) That I am [please select one: the offeror, a partner of the offeror, an officer of the offeror] making the bid or proposal in the foregoing identified procurement;
(2) That I have read and understand the provisions of 5 GCA § 5801 and § 5802 which read:
§ 5801. Wage Determination Established.
In such cases where the government of Guam enters into contractual arrangements with a sole proprietorship, a partnership or a corporation ("contractor") for the provision of a service to the government of Guam, and in such cases where the contractor employs a person(s) whose purpose, in whole or in part, is the direct delivery of service contracted by the government of Guam, then the contractor shall pay such employee(s) in accordance with the Wage Determination for Guam and the Northern Mariana Islands issued and promulgated by the U.S Department of Labor for such labor as is employed in the direct delivery of contract deliverables to the government of Guam.
The Wage Determination most recently issued by the U.S. Department of Labor at the time a contract is awarded to a contractor by the government of Guam shall be used to determine wages which shall be paid to employees pursuant to this Article. Should any contract contain a renewal clause, then at the time of renewal adjustments, there shall be made stipulations contained in the contract for applying the Wage Determination, as required by this Article, so that the Wage Determination promulgated by the U.S. Department of Labor on a date most recent to the renewal date shall apply.
§ 5802. Benefits.
In addition to the Wage Determination detailed in this Article, any contract to which this Article applies shall also contain provisions mandating health and similar benefits for employees covered by this Article, such benefits having a minimum value as detailed in the Wage Determination issued and promulgated by the U.S. Department of Labor, and shall contain provisions guaranteeing a minimum of ten (10) paid holidays per annum per employee.
(3) That the offeror is in full compliance with 5 GCA § 5801 and § 5802, as may be applicable to the procurement referenced herein;
(4) That I have attached the most recent wage determination applicable to Guam issued by the U.S Department of Labor. [INSTRUCTIONS - Please attach!]
Signature

AG Procurement Form 006 (Feb. 16, 2010)

"REGISTER OF WAGE DETERMINATIONS UNDER | U.S. DEPARTMENT OF LABOR
THE SERVICE CONTRACT ACT | EMPLOYMENT STANDARDS ADMINISTRATION

By direction of the Secretary of Labor | WAGE AND HOUR DIVISION | WASHINGTON D.C. 20210 |

| Wage Determination No.: 2015-5693

Daniel W. Simms Division of | Revision No.: 19

Director Wage Determinations | Date Of Last Revision: 07/17/2023

Note: Contracts subject to the Service Contract Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026.

| If the contract is entered into on or | Executive Order 14026 generally applies to | after January 30, 2022, or the | the contract. | Contract is renewed or extended (e.g., | The contractor must pay all covered workers | at least \$16.20 per hour (or the applicable | wage rate listed on this wage determination, | if it is higher) for all hours spent | performing on the contract in 2023.

The applicable Executive Order minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the Executive Orders is available at www.dol.gov/whd/govcontracts.

States: Guam, Northern Marianas, Wake Island

Area: Guam Statewide Northern Marianas Statewide Wake Island Statewide

OCCUPATION CODE - TITLE

Fringe Benefits Required Follow the Occupational Listing

Tringe benefits Required Forlow the occupational Listing

FOOTNOTE

RATE

01000 - Administrative Support And Clerical Occupations	
01011 - Accounting Clerk I	14.27***
01012 - Accounting Clerk II	16.02***
01013 - Accounting Clerk III	17.93
01020 - Administrative Assistant	21.43
01035 - Court Reporter	17.40
01041 - Customer Service Representative I	12.75***
01042 - Customer Service Representative II	14.23***
01043 - Customer Service Representative III	15.62***
01051 - Data Entry Operator I	12.16***
01052 - Data Entry Operator II	13.27***
01060 - Dispatcher, Motor Vehicle	17.39
01070 - Document Preparation Clerk	13.85***
01090 - Duplicating Machine Operator	13.85***
01111 - General Clerk I	11.33***
01112 - General Clerk II	12.36***
01113 - General Clerk III	13.88***
01120 - Housing Referral Assistant	19.39
01141 - Messenger Courier	11.37***
01191 - Order Clerk I	12.57***
01192 - Order Clerk II	13.71***
01261 - Personnel Assistant (Employment) I	15.95***
01262 - Personnel Assistant (Employment) II	17.85
01263 - Personnel Assistant (Employment) III	19.89
01270 - Production Control Clerk	22.97
01290 - Rental Clerk	11.10***
01300 - Scheduler, Maintenance	15.55***
01311 - Secretary I	15.55***
01312 - Secretary II	17.40
01313 - Secretary III	19.39
01320 - Service Order Dispatcher	15.40***
01410 - Supply Technician	21.43
01420 - Survey Worker	16.96
01460 - Switchboard Operator/Receptionist	10.78***
01531 - Travel Clerk I	13.01***
01532 - Travel Clerk II	14.12***
01533 - Travel Clerk III	15.09***
01611 - Word Processor I	14.53***

	- Word Processor II	16.31
	- Word Processor III	18.26
	Automotive Service Occupations - Automobile Body Repairer, Fiberglass	17.20
	- Automotive Electrician	16.16***
	- Automotive Glass Installer	15.11***
	- Automotive Worker	15.11***
	- Mobile Equipment Servicer	12.96***
	Motor Equipment Metal MechanicMotor Equipment Metal Worker	17.20 15.11***
	- Motor Vehicle Mechanic	17.20
	- Motor Vehicle Mechanic Helper	11.87***
	- Motor Vehicle Upholstery Worker	14.06***
	- Motor Vehicle Wrecker	15.11***
	- Painter, Automotive	16.16***
	- Radiator Repair Specialist	15.11***
	- Tire Repairer - Transmission Repair Specialist	12.67*** 17.20
	Food Preparation And Service Occupations	17.20
	- Baker	11.10***
07041	- Cook I	14.44***
	- Cook II	16.84
	- Dishwasher	9.69***
	- Food Service Worker - Meat Cutter	10.11*** 13.34***
	- Waiter/Waitress	9.73***
	Furniture Maintenance And Repair Occupations	3.73
	- Electrostatic Spray Painter	18.75
09040	- Furniture Handler	11.37***
	- Furniture Refinisher	18.75
	- Furniture Refinisher Helper	13.77***
	- Furniture Repairer, Minor - Upholsterer	16.32 18.75
	General Services And Support Occupations	18.75
	- Cleaner, Vehicles	9.69***
	- Elevator Operator	9.69***
	- Gardener	14.28***
	- Housekeeping Aide	10.13***
	- Janitor	10.13*** 10.79***
	- Laborer, Grounds Maintenance - Maid or Houseman	9.67***
	- Pruner	9.66***
	- Tractor Operator	13.07***
	- Trail Maintenance Worker	10.79***
	- Window Cleaner	11.32***
	Health Occupations	10.06
	- Ambulance Driver - Breath Alcohol Technician	18.96 18.96
	- Certified Occupational Therapist Assistant	26.02
	- Certified Physical Therapist Assistant	26.02
	- Dental Assistant	18.79
	- Dental Hygienist	39.73
	- EKG Technician	28.73
	- Electroneurodiagnostic Technologist	28.73 18.96
	- Emergency Medical Technician - Licensed Practical Nurse I	16.95
	- Licensed Practical Nurse II	18.96
	- Licensed Practical Nurse III	21.14
	- Medical Assistant	13.42***
	- Medical Laboratory Technician	18.82
	- Medical Record Clerk - Medical Record Technician	14.97*** 17.77
	- Medical Transcriptionist	16.95
	- Nuclear Medicine Technologist	41.68
	- Nursing Assistant I	12.43***
	- Nursing Assistant II	13.97***
	- Nursing Assistant III	15.24***
	- Nursing Assistant IV	17.12 18.96
	- Optical Dispenser - Optical Technician	18.96
	- Pharmacy Technician	15.49***
	- Phlebotomist	16.95
12305	- Radiologic Technologist	28.73
	- Registered Nurse I	23.50
	- Registered Nurse II	28.73
	Registered Nurse II, SpecialistRegistered Nurse III	28.73 34.76
	- Registered Nurse III - Registered Nurse III, Anesthetist	34.76
12316	- Registered Nurse IV	41.68
12317	- Scheduler (Drug and Alcohol Testing)	23.50

12320 - Substance Abuse Treatment Counselor 13000 - Information And Arts Occupations 13011 - Exhibits Specialist I 13012 - Exhibits Specialist II 13013 - Exhibits Specialist III 13014 - Illustrator I 13041 - Illustrator II 13042 - Illustrator III 13043 - Illustrator III 13050 - Library Aide/Clerk 13050 - Library Aide/Clerk 13054 - Library Information Technology Systems Administrator 13058 - Library Technician 13061 - Media Specialist II 13062 - Media Specialist II 13063 - Media Specialist II 13063 - Media Specialist III 13063 - Media Specialist III 13063 - Photographer I 13071 - Photographer II 13072 - Photographer II 13073 - Photographer IV 13090 - Technical Order Library Clerk 13110 - Video Teleconference Technician 14000 - Information Technology Occupations	42 53 45 42 53 45 38 95 53 11 15 42 87 15 42 53 45
13012 - Exhibits Specialist III 26. 13013 - Exhibits Specialist IIII 32. 13041 - Illustrator I 21. 13042 - Illustrator III 26. 13043 - Illustrator IIII 32. 13047 - Librarian 29. 13050 - Library Aide/Clerk 17. 13054 - Library Information Technology Systems 26. Administrator 18. 13061 - Media Specialist I 19. 13062 - Media Specialist I 19. 13063 - Media Specialist III 21. 13063 - Media Specialist III 23. 13071 - Photographer II 23. 13072 - Photographer II 21. 13073 - Photographer III 26. 13074 - Photographer IV 32. 13075 - Photographer V 39. 13090 - Technical Order Library Clerk 21. 13110 - Video Teleconference Technician 19.	53 45 42 53 45 38 05 53 11 15 42 87 15 42 53 45
13013 - Exhibits Specialist III 13041 - Illustrator I 13042 - Illustrator II 13043 - Illustrator III 13047 - Librarian 13050 - Library Aide/Clerk 13054 - Library Information Technology Systems Administrator 13058 - Library Technician 13061 - Media Specialist I 13062 - Media Specialist II 13063 - Media Specialist III 13063 - Media Specialist III 13073 - Photographer I 13072 - Photographer II 13073 - Photographer III 13073 - Photographer IV 13075 - Photographer IV 13090 - Technical Order Library Clerk 13110 - Video Teleconference Technician	45 42 53 45 38 05 53 11 15 42 87 15 42 53 45
13041 - Illustrator I 13042 - Illustrator II 236. 13043 - Illustrator III 327. 13047 - Librarian 299. 13050 - Library Aide/Clerk 170. 13054 - Library Information Technology Systems Administrator 13058 - Library Technician 13061 - Media Specialist I 13062 - Media Specialist II 13063 - Media Specialist III 13063 - Media Specialist III 13063 - Media Specialist III 13071 - Photographer I 13072 - Photographer II 13073 - Photographer III 13073 - Photographer IV 13074 - Photographer IV 13090 - Technical Order Library Clerk 13110 - Video Teleconference Technician	42 53 45 38 05 53 11 15 42 87 15 42 53 45
13042 - Illustrator II 26. 13043 - Illustrator III 32. 13047 - Librarian 29. 13050 - Library Aide/Clerk 17. 13054 - Library Information Technology Systems 26. Administrator 18. 13061 - Media Specialist I 19. 13062 - Media Specialist II 21. 13063 - Media Specialist III 23. 13071 - Photographer I 19. 13072 - Photographer II 21. 13073 - Photographer III 26. 13074 - Photographer IV 32. 13075 - Photographer IV 32. 13090 - Technical Order Library Clerk 21. 13110 - Video Teleconference Technician 19.	45 38 05 53 11 15 42 87 15 42 53 45
13047 - Librarian 29. 13050 - Library Aide/Clerk 17. 13054 - Library Information Technology Systems 26. Administrator 13058 - Library Technician 18. 13061 - Media Specialist I 19. 13062 - Media Specialist II 21. 13063 - Media Specialist III 23. 13071 - Photographer I 19. 13072 - Photographer II 21. 13073 - Photographer III 21. 13073 - Photographer III 26. 13074 - Photographer IV 32. 13075 - Photographer V 39. 13090 - Technical Order Library Clerk 21. 13110 - Video Teleconference Technician 19.	38 05 53 11 15 42 87 15 42 53 45
13050 - Library Aide/Clerk 13054 - Library Information Technology Systems 26. Administrator 13058 - Library Technician 18. 13061 - Media Specialist I 13062 - Media Specialist II 13063 - Media Specialist III 13071 - Photographer I 19. 13072 - Photographer II 13073 - Photographer III 13074 - Photographer IV 13075 - Photographer V 13090 - Technical Order Library Clerk 13110 - Video Teleconference Technician	05 53 11 15 42 87 15 42 53 45
13054 - Library Information Technology Systems Administrator 13058 - Library Technician 13061 - Media Specialist I 13062 - Media Specialist III 13063 - Media Specialist III 13071 - Photographer I 13072 - Photographer II 13073 - Photographer III 13074 - Photographer IV 13075 - Photographer V 13090 - Technical Order Library Clerk 13110 - Video Teleconference Technician	53 11 15 42 87 15 42 53 45
Administrator 13058 - Library Technician 13061 - Media Specialist I 13062 - Media Specialist II 13063 - Media Specialist III 13071 - Photographer I 13072 - Photographer II 13073 - Photographer III 13074 - Photographer IV 13075 - Photographer V 13090 - Technical Order Library Clerk 13110 - Video Teleconference Technician	11 15 42 87 15 42 53 45
13061 - Media Specialist I 13062 - Media Specialist II 13063 - Media Specialist III 13071 - Photographer I 13072 - Photographer II 13073 - Photographer III 13074 - Photographer IV 13075 - Photographer V 13090 - Technical Order Library Clerk 13110 - Video Teleconference Technician	15 42 87 15 42 53 45
13062 - Media Specialist II 13063 - Media Specialist III 23. 13071 - Photographer I 13072 - Photographer II 13073 - Photographer III 26. 13074 - Photographer IV 13075 - Photographer V 13090 - Technical Order Library Clerk 13110 - Video Teleconference Technician	42 87 15 42 53 45
13063 - Media Specialist III 13071 - Photographer I 13072 - Photographer II 13073 - Photographer III 21. 13074 - Photographer IV 13075 - Photographer V 13090 - Technical Order Library Clerk 13110 - Video Teleconference Technician	87 15 42 53 45
13071 - Photographer I19.13072 - Photographer II21.13073 - Photographer III26.13074 - Photographer IV32.13075 - Photographer V39.13090 - Technical Order Library Clerk21.13110 - Video Teleconference Technician19.	15 42 53 45
13072 - Photographer II21.13073 - Photographer III26.13074 - Photographer IV32.13075 - Photographer V39.13090 - Technical Order Library Clerk21.13110 - Video Teleconference Technician19.	53 45
13074 - Photographer IV32.13075 - Photographer V39.13090 - Technical Order Library Clerk21.13110 - Video Teleconference Technician19.	45
13075 - Photographer V39.13090 - Technical Order Library Clerk21.13110 - Video Teleconference Technician19.	
13090 - Technical Order Library Clerk 21. 13110 - Video Teleconference Technician 19.	<i>∠'</i>
13110 - Video Teleconference Technician 19.	
14000 - Information Technology Occupations	
14041 - Computer Operator I 15.71*	
14042 - Computer Operator II 17. 14043 - Computer Operator III 19.	
14044 - Computer Operator IV 21.	
14045 - Computer Operator V 23.	
14071 - Computer Programmer I (see 1) 15.73*	
14072 - Computer Programmer II (see 1) 19.	
14073 - Computer Programmer III (see 1) 23. 14074 - Computer Programmer IV (see 1)	84
14101 - Computer Systems Analyst I (see 1) 24.	23
14102 - Computer Systems Analyst II (see 1)	
14103 - Computer Systems Analyst III (see 1)	
14150 - Peripheral Equipment Operator 15.71* 14160 - Personal Computer Support Technician 21.	
14170 - System Support Specialist 21.	
15000 - Instructional Occupations	
15010 - Aircrew Training Devices Instructor (Non-Rated) 24.	
15020 - Aircrew Training Devices Instructor (Rated) 29.	
15030 - Air Crew Training Devices Instructor (Pilot) 34. 15050 - Computer Based Training Specialist / Instructor 24.	
15060 - Educational Technologist 29.	
15070 - Flight Instructor (Pilot) 34.	91
15080 - Graphic Artist 20.	
15085 - Maintenance Test Pilot, Fixed, Jet/Prop 34. 15086 - Maintenance Test Pilot, Rotary Wing 34.	
15088 - Non-Maintenance Test/Co-Pilot 34.	
15090 - Technical Instructor 17.	
15095 - Technical Instructor/Course Developer 23.	
15110 - Test Proctor 15.70*	**
15110 - Test Proctor 15.70* 15120 - Tutor 15.70*	**
15110 - Test Proctor 15.70* 15120 - Tutor 15.70* 16000 - Laundry, Dry-Cleaning, Pressing And Related Occupations	***
15110 - Test Proctor 15120 - Tutor 16000 - Laundry, Dry-Cleaning, Pressing And Related Occupations 16010 - Assembler 16030 - Counter Attendant 10.83*	*** *** ***
15110 - Test Proctor 15120 - Tutor 16000 - Laundry, Dry-Cleaning, Pressing And Related Occupations 16010 - Assembler 16030 - Counter Attendant 16040 - Dry Cleaner 15.70* 15.70* 15.70* 15.70* 15.70* 15.70* 15.70* 10.83*	*** *** *** ***
15110 - Test Proctor 15120 - Tutor 16000 - Laundry, Dry-Cleaning, Pressing And Related Occupations 16010 - Assembler 16030 - Counter Attendant 16040 - Dry Cleaner 16070 - Finisher, Flatwork, Machine 15.70* 15.70* 16.83* 16.83*	*** *** *** *** ***
15110 - Test Proctor 15.70* 15120 - Tutor 15.70* 16000 - Laundry, Dry-Cleaning, Pressing And Related Occupations 16010 - Assembler 16030 - Counter Attendant 10.83* 16040 - Dry Cleaner 12.36* 16070 - Finisher, Flatwork, Machine 10.83* 16090 - Presser, Hand 10.83*	*** *** *** *** *** ***
15110 - Test Proctor 15120 - Tutor 16000 - Laundry, Dry-Cleaning, Pressing And Related Occupations 16010 - Assembler 16030 - Counter Attendant 16040 - Dry Cleaner 16070 - Finisher, Flatwork, Machine 15.70* 15.70* 16.83* 16.83*	*** *** *** *** *** *** ***
15110 - Test Proctor 15.70* 15120 - Tutor 15.70* 16000 - Laundry, Dry-Cleaning, Pressing And Related Occupations 16010 - Assembler 16010 - Assembler 10.83* 16030 - Counter Attendant 10.83* 16040 - Dry Cleaner 12.36* 16070 - Finisher, Flatwork, Machine 10.83* 16090 - Presser, Hand 10.83* 16110 - Presser, Machine, Drycleaning 10.83* 16130 - Presser, Machine, Shirts 10.83* 16160 - Presser, Machine, Wearing Apparel, Laundry 10.83*	*** *** *** *** *** *** *** ***
15110 - Test Proctor 15.70* 15120 - Tutor 15.70* 16000 - Laundry, Dry-Cleaning, Pressing And Related Occupations 16010 - Assembler 16010 - Assembler 10.83* 16030 - Counter Attendant 10.83* 16040 - Dry Cleaner 12.36* 16070 - Finisher, Flatwork, Machine 10.83* 16090 - Presser, Hand 10.83* 16110 - Presser, Machine, Drycleaning 10.83* 16130 - Presser, Machine, Shirts 10.83* 16160 - Presser, Machine, Wearing Apparel, Laundry 10.83* 16190 - Sewing Machine Operator 12.88*	*** *** *** *** *** *** *** *** ***
15110 - Test Proctor 15.70* 15120 - Tutor 15.70* 16000 - Laundry, Dry-Cleaning, Pressing And Related Occupations 16010 - Assembler 16010 - Assembler 10.83* 16030 - Counter Attendant 10.83* 16040 - Dry Cleaner 12.36* 16070 - Finisher, Flatwork, Machine 10.83* 16090 - Presser, Hand 10.83* 16110 - Presser, Machine, Drycleaning 10.83* 16130 - Presser, Machine, Shirts 10.83* 16160 - Presser, Machine, Wearing Apparel, Laundry 10.83* 16190 - Sewing Machine Operator 12.88* 16220 - Tailor 13.40*	** ** ** ** ** ** ** ** ** **
15110 - Test Proctor 15.70* 15120 - Tutor 15.70* 16000 - Laundry, Dry-Cleaning, Pressing And Related Occupations 10.83* 16010 - Assembler 10.83* 16030 - Counter Attendant 10.83* 16040 - Dry Cleaner 12.36* 16070 - Finisher, Flatwork, Machine 10.83* 16090 - Presser, Hand 10.83* 16110 - Presser, Machine, Drycleaning 10.83* 16130 - Presser, Machine, Shirts 10.83* 16160 - Presser, Machine, Wearing Apparel, Laundry 10.83* 16190 - Sewing Machine Operator 12.88* 16220 - Tailor 13.40* 16250 - Washer, Machine 11.34*	** ** ** ** ** ** ** ** ** **
15110 - Test Proctor 15.70* 15120 - Tutor 15.70* 16000 - Laundry, Dry-Cleaning, Pressing And Related Occupations 16010 - Assembler 16010 - Assembler 10.83* 16030 - Counter Attendant 10.83* 16040 - Dry Cleaner 12.36* 16070 - Finisher, Flatwork, Machine 10.83* 16090 - Presser, Hand 10.83* 16110 - Presser, Machine, Drycleaning 10.83* 16130 - Presser, Machine, Shirts 10.83* 16160 - Presser, Machine, Wearing Apparel, Laundry 10.83* 16190 - Sewing Machine Operator 12.88* 16220 - Tailor 13.40* 16250 - Washer, Machine 11.34* 19000 - Machine Tool Operation And Repair Occupations 19.0 19010 - Machine-Tool Operator (Tool Room) 19.0	*** *** *** *** *** *** *** 46
15110 - Test Proctor 15120 - Tutor 16000 - Laundry, Dry-Cleaning, Pressing And Related Occupations 16010 - Assembler 16030 - Counter Attendant 16040 - Dry Cleaner 16070 - Finisher, Flatwork, Machine 16090 - Presser, Hand 16110 - Presser, Machine, Drycleaning 16110 - Presser, Machine, Shirts 16130 - Presser, Machine, Shirts 16160 - Presser, Machine, Wearing Apparel, Laundry 16190 - Sewing Machine Operator 16250 - Washer, Machine 19000 - Machine Tool Operation And Repair Occupations 19010 - Machine-Tool Operator (Tool Room) 19040 - Tool And Die Maker	*** *** *** *** *** *** *** 46
15110 - Test Proctor 15120 - Tutor 16000 - Laundry, Dry-Cleaning, Pressing And Related Occupations 16010 - Assembler 16030 - Counter Attendant 16040 - Dry Cleaner 16070 - Finisher, Flatwork, Machine 16090 - Presser, Hand 16110 - Presser, Machine, Drycleaning 16130 - Presser, Machine, Shirts 16160 - Presser, Machine, Wearing Apparel, Laundry 16190 - Sewing Machine Operator 16250 - Washer, Machine 19000 - Machine Tool Operation And Repair Occupations 19010 - Machine-Tool Operator (Tool Room) 19040 - Tool And Die Maker 24.21000 - Materials Handling And Packing Occupations	*** *** *** *** *** *** 46 46
15110 - Test Proctor 15120 - Tutor 16000 - Laundry, Dry-Cleaning, Pressing And Related Occupations 16010 - Assembler 16030 - Counter Attendant 16040 - Dry Cleaner 16070 - Finisher, Flatwork, Machine 16090 - Presser, Hand 16110 - Presser, Machine, Drycleaning 16130 - Presser, Machine, Shirts 16130 - Presser, Machine, Wearing Apparel, Laundry 16160 - Presser, Machine Operator 16220 - Tailor 16250 - Washer, Machine 19000 - Machine Tool Operation And Repair Occupations 19010 - Machine-Tool Operator (Tool Room) 19040 - Tool And Die Maker 21000 - Materials Handling And Packing Occupations 21020 - Forklift Operator 15.36*	*** *** *** *** *** *** 46 46
15110 - Test Proctor 15120 - Tutor 16000 - Laundry, Dry-Cleaning, Pressing And Related Occupations 16010 - Assembler 16030 - Counter Attendant 16040 - Dry Cleaner 16060 - Finisher, Flatwork, Machine 16070 - Finisher, Flatwork, Machine 16083* 16090 - Presser, Hand 16110 - Presser, Machine, Drycleaning 16130 - Presser, Machine, Drycleaning 16130 - Presser, Machine, Shirts 16160 - Presser, Machine, Wearing Apparel, Laundry 16190 - Sewing Machine Operator 16250 - Washer, Machine 19000 - Machine Tool Operation And Repair Occupations 19010 - Machine-Tool Operator (Tool Room) 19040 - Tool And Die Maker 21000 - Materials Handling And Packing Occupations 21020 - Forklift Operator 21030 - Material Coordinator 220. 21040 - Material Expediter	*** *** *** *** *** 46 46 *** 97
15110 - Test Proctor 15.70* 15120 - Tutor 15.70* 16000 - Laundry, Dry-Cleaning, Pressing And Related Occupations 16010 - Assembler 16010 - Assembler 10.83* 16030 - Counter Attendant 10.83* 16040 - Dry Cleaner 12.36* 16070 - Finisher, Flatwork, Machine 10.83* 16090 - Presser, Hand 10.83* 16110 - Presser, Machine, Drycleaning 10.83* 16130 - Presser, Machine, Shirts 10.83* 16160 - Presser, Machine, Wearing Apparel, Laundry 10.83* 16190 - Sewing Machine Operator 12.88* 16220 - Tailor 13.40* 16250 - Washer, Machine 11.34* 19000 - Machine Tool Operator (Tool Room) 19. 19040 - Tool And Die Maker 24. 21000 - Materials Handling And Packing Occupations 21.20 21030 - Material Coordinator 22. 21040 - Material Expediter 22. 21050 - Material Handling Laborer 12.57*	*** *** *** *** *** 46 46 ** 97 97 **
15110 - Test Proctor 15.70* 15120 - Tutor 15.70* 16000 - Laundry, Dry-Cleaning, Pressing And Related Occupations 10.83* 16010 - Assembler 10.83* 16030 - Counter Attendant 10.83* 16040 - Dry Cleaner 12.36* 16070 - Finisher, Flatwork, Machine 10.83* 16090 - Presser, Hand 10.83* 16110 - Presser, Machine, Drycleaning 10.83* 16130 - Presser, Machine, Shirts 10.83* 16160 - Presser, Machine, Wearing Apparel, Laundry 10.83* 16190 - Sewing Machine Operator 12.88* 16220 - Tailor 13.40* 16250 - Washer, Machine 11.34* 19000 - Machine Tool Operation And Repair Occupations 19. 19040 - Tool And Die Maker 24. 21000 - Materials Handling And Packing Occupations 15.36* 21030 - Material Coordinator 22. 21040 - Material Expediter 22. 21050 - Material Handling Laborer 12.57* 21071 - Order Filler 10.62*	*** *** *** *** 46 46 ** 97 9** ***
15110 - Test Proctor 15.70* 15120 - Tutor 15.70* 16000 - Laundry, Dry-Cleaning, Pressing And Related Occupations 16010 - Assembler 16010 - Assembler 10.83* 16030 - Counter Attendant 10.83* 16040 - Dry Cleaner 12.36* 16070 - Finisher, Flatwork, Machine 10.83* 16090 - Presser, Hand 10.83* 16110 - Presser, Machine, Drycleaning 10.83* 16130 - Presser, Machine, Shirts 10.83* 16160 - Presser, Machine, Wearing Apparel, Laundry 10.83* 16190 - Sewing Machine Operator 12.88* 16220 - Tailor 13.40* 16250 - Washer, Machine 11.34* 19000 - Machine Tool Operation And Repair Occupations 19. 19040 - Tool And Die Maker 24. 21000 - Materials Handling And Packing Occupations 21. 21020 - Forklift Operator 15.36* 21030 - Material Coordinator 22. 21050 - Material Handling Laborer 12.57* 21071 - Order Filler 10.62* 21080 - Production Line Worker (Food Processing) 15.36*	*** *** *** *** 46 46 ** 97 97 ****
15110 - Test Proctor 15.70* 15120 - Tutor 15.70* 16000 - Laundry, Dry-Cleaning, Pressing And Related Occupations 10.83* 16010 - Assembler 10.83* 16030 - Counter Attendant 10.83* 16040 - Dry Cleaner 12.36* 16070 - Finisher, Flatwork, Machine 10.83* 16090 - Presser, Hand 10.83* 16110 - Presser, Machine, Drycleaning 10.83* 16130 - Presser, Machine, Shirts 10.83* 16160 - Presser, Machine, Wearing Apparel, Laundry 10.83* 16190 - Sewing Machine Operator 12.88* 16220 - Tailor 13.40* 16250 - Washer, Machine 11.34* 19000 - Machine Tool Operation And Repair Occupations 19. 19040 - Tool And Die Maker 24. 21000 - Materials Handling And Packing Occupations 15.36* 21030 - Material Coordinator 22. 21040 - Material Expediter 22. 21050 - Material Handling Laborer 12.57* 21071 - Order Filler 10.62*	*** *** *** *** 46 46 ** 97 97 *** 12
15110 - Test Proctor 15.70* 15020 - Tutor 15.70* 16000 - Laundry, Dry-Cleaning, Pressing And Related Occupations 16010 - Assembler 16010 - Assembler 10.83* 16030 - Counter Attendant 10.83* 16040 - Dry Cleaner 12.36* 16070 - Finisher, Flatwork, Machine 10.83* 16090 - Presser, Hand 10.83* 16110 - Presser, Machine, Drycleaning 10.83* 16130 - Presser, Machine, Shirts 10.83* 16190 - Sewing Machine Operator 10.83* 1620 - Presser, Machine, Wearing Apparel, Laundry 10.83* 16220 - Tailor 13.40* 16250 - Washer, Machine 11.34* 19000 - Machine Tool Operation And Repair Occupations 11.34* 19000 - Machine Tool Operator (Tool Room) 19. 19040 - Tool And Die Maker 24. 21000 - Materials Handling And Packing Occupations 24. 21000 - Material Coordinator 22. 21030 - Material Expediter 22. 21050 - Material Handling Laborer 12.57* 21071 - Order Filler 10.62* 21080 - Production Line Worker (Food Processing) 15.36*	*** *** *** *** 46 46 ** 97 *** 12 ***

24240	T 3 A 1 B 1 A11 1 1	45 36444
	- Tools And Parts Attendant	15.36***
	- Warehouse Specialist	15.36***
23000 -	Mechanics And Maintenance And Repair Occupations	
23010	- Aerospace Structural Welder	25.04
	- Aircraft Logs and Records Technician	19.47
	- Aircraft Mechanic I	23.84
	- Aircraft Mechanic II	25.04
	- Aircraft Mechanic III	26.30
	- Aircraft Mechanic Helper	16.58
	- Aircraft, Painter	22.39
23060	- Aircraft Servicer	19.47
23070	- Aircraft Survival Flight Equipment Technician	22.39
	- Aircraft Worker	21.03
	- Aircrew Life Support Equipment (ALSE) Mechanic	21.03
I	All crew Live Support Equipment (ALSE) freehance	21.03
		22.04
	- Aircrew Life Support Equipment (ALSE) Mechanic	23.84
II		
23110	- Appliance Mechanic	19.46
	- Bicycle Repairer	15.61***
	- Cable Splicer	22.47
	- Carpenter, Maintenance	17.58
	- Carpet Layer	18.20
	- Electrician, Maintenance	19.37
	- Electronics Technician Maintenance I	18.20
23182	- Electronics Technician Maintenance II	19.46
23183	- Electronics Technician Maintenance III	20.72
	- Fabric Worker	16.94
	- Fire Alarm System Mechanic	16.77
23310	- Fire Extinguisher Repairer	15.61***
23311	- Fuel Distribution System Mechanic	20.72
	- Fuel Distribution System Operator	15.61***
	- General Maintenance Worker	13.24***
	- Ground Support Equipment Mechanic	23.84
23381	- Ground Support Equipment Servicer	19.47
23382	- Ground Support Equipment Worker	21.03
	- Gunsmith I	15.61***
	- Gunsmith II	18.20
	- Gunsmith III	20.72
22/1A		19.27
	- Heating, Ventilation And Air-Conditioning	,_,
Mechan	<u> </u>	13.12,
Mechan	ic	
Mechan 23411	ic - Heating, Ventilation And Air Contidioning	20.50
Mechan 23411 Mechan	ic - Heating, Ventilation And Air Contidioning ic (Research Facility)	20.50
Mechan 23411 Mechan 23430	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic	20.50 19.50
Mechan 23411 Mechan 23430 23440	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator	20.50 19.50 18.10
Mechan 23411 Mechan 23430 23440	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic	20.50 19.50
Mechan 23411 Mechan 23430 23440 23460	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic	20.50 19.50 18.10
Mechan 23411 Mechan 23430 23440 23460 23465	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic	20.50 19.50 18.10 20.72 19.46
Mechan 23411 Mechan 23430 23440 23460 23465 23470	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer	20.50 19.50 18.10 20.72 19.46 12.57***
Mechan 23411 Mechan 23430 23440 23460 23465 23470 23510	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46
Mechan 23411 Mechan 23430 23440 23460 23465 23470 23510 23530	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith - Machinery Maintenance Mechanic	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13
Mechan 23411 Mechan 23430 23440 23460 23465 23470 23510 23530 23550	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith - Machinery Maintenance Mechanic	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13 20.72
Mechan 23411 Mechan 23430 23440 23460 23465 23470 23510 23530 23550	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith - Machinery Maintenance Mechanic	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13
Mechan 23411 Mechan 23430 23440 23460 23465 23470 23510 23530 23550 23580	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith - Machinery Maintenance Mechanic - Maintenance Trades Helper	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13 20.72 11.77***
Mechan 23411 Mechan 23430 23440 23460 23465 23470 23510 23530 23550 23580 23591	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith - Machinery Maintenance Mechanic - Machinist, Maintenance - Maintenance Trades Helper - Metrology Technician I	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13 20.72 11.77*** 20.72
Mechan 23411 Mechan 23430 23440 23460 23465 23470 23510 23530 23550 23580 23591 23592	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith - Machinery Maintenance Mechanic - Machinist, Maintenance - Maintenance Trades Helper - Metrology Technician I - Metrology Technician II	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13 20.72 11.77*** 20.72 22.03
Mechan 23411 Mechan 23430 23440 23460 23465 23470 23510 23530 23550 23580 23591 23592 23593	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith - Machinery Maintenance Mechanic - Machinist, Maintenance - Maintenance Trades Helper - Metrology Technician I - Metrology Technician III	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13 20.72 11.77*** 20.72 22.03 23.33
Mechan 23411 Mechan 23430 23440 23460 23465 23470 23510 23530 23550 23580 23591 23592 23593 23640	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith - Machinery Maintenance Mechanic - Machinist, Maintenance - Maintenance Trades Helper - Metrology Technician I - Metrology Technician II - Metrology Technician III - Metrology Technician III	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13 20.72 11.77*** 20.72 22.03 23.33 20.72
Mechan 23411 Mechan 23430 23440 23460 23465 23470 23510 23530 23550 23591 23591 23592 23593 23640 23710	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith - Machinery Maintenance Mechanic - Machinist, Maintenance - Maintenance Trades Helper - Metrology Technician I - Metrology Technician II - Metrology Technician III - Millwright - Office Appliance Repairer	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13 20.72 11.77*** 20.72 22.03 23.33
Mechan 23411 Mechan 23430 23440 23460 23465 23470 23510 23530 23550 23591 23591 23592 23593 23640 23710	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith - Machinery Maintenance Mechanic - Machinist, Maintenance - Maintenance Trades Helper - Metrology Technician I - Metrology Technician II - Metrology Technician III - Metrology Technician III	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13 20.72 11.77*** 20.72 22.03 23.33 20.72
Mechan 23411 Mechan 23430 23440 23460 23465 23470 23510 23530 23550 23591 23591 23592 23593 23640 23710 23760	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith - Machinery Maintenance Mechanic - Machinist, Maintenance - Maintenance Trades Helper - Metrology Technician I - Metrology Technician II - Metrology Technician III - Millwright - Office Appliance Repairer - Painter, Maintenance	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13 20.72 11.77*** 20.72 22.03 23.33 20.72 19.46 17.04
Mechan 23411 Mechan 23430 23440 23460 23465 23470 23510 23530 23550 23591 23591 23592 23593 23640 23710 23760 23790	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith - Machinery Maintenance Mechanic - Machinist, Maintenance - Maintenance Trades Helper - Metrology Technician I - Metrology Technician II - Metrology Technician III - Millwright - Office Appliance Repairer - Painter, Maintenance - Pipefitter, Maintenance	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13 20.72 11.77*** 20.72 22.03 23.33 20.72 19.46 17.04 19.96
Mechan 23411 Mechan 23440 23440 23465 23470 23510 23530 23550 23591 23591 23592 23593 23640 23710 23760 23790 23810	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith - Machinery Maintenance Mechanic - Machinist, Maintenance - Maintenance Trades Helper - Metrology Technician I - Metrology Technician II - Metrology Technician III - Millwright - Office Appliance Repairer - Painter, Maintenance - Pipefitter, Maintenance - Plumber, Maintenance	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13 20.72 11.77*** 20.72 22.03 23.33 20.72 19.46 17.04 19.96 18.75
Mechan 23411 Mechan 23440 23440 23465 23470 23510 23530 23550 23591 23592 23593 23640 23710 23760 23790 23810 23820	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith - Machinery Maintenance Mechanic - Machinist, Maintenance - Maintenance Trades Helper - Metrology Technician I - Metrology Technician II - Metrology Technician III - Millwright - Office Appliance Repairer - Painter, Maintenance - Pipefitter, Maintenance - Plumber, Maintenance - Plumber, Maintenance - Pneudraulic Systems Mechanic	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13 20.72 11.77*** 20.72 22.03 23.33 20.72 19.46 17.04 19.96 18.75 20.72
Mechan 23411 Mechan 23440 23440 23465 23470 23510 23530 23550 23591 23592 23593 23640 23710 23760 23790 23810 23820	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith - Machinery Maintenance Mechanic - Machinist, Maintenance - Maintenance Trades Helper - Metrology Technician I - Metrology Technician II - Metrology Technician III - Millwright - Office Appliance Repairer - Painter, Maintenance - Pipefitter, Maintenance - Plumber, Maintenance	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13 20.72 11.77*** 20.72 22.03 23.33 20.72 19.46 17.04 19.96 18.75
Mechan 23411 Mechan 23440 23440 23465 23470 23510 23550 23580 23591 23592 23593 23640 23710 23760 23790 23810 23820 23850	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith - Machinery Maintenance Mechanic - Machinist, Maintenance - Maintenance Trades Helper - Metrology Technician I - Metrology Technician II - Metrology Technician III - Millwright - Office Appliance Repairer - Painter, Maintenance - Pipefitter, Maintenance - Plumber, Maintenance - Plumber, Maintenance - Pneudraulic Systems Mechanic	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13 20.72 11.77*** 20.72 22.03 23.33 20.72 19.46 17.04 19.96 18.75 20.72
Mechan 23411 Mechan 23430 23440 23465 23470 23510 23550 23591 23592 23593 23640 23710 23760 23790 23810 23820 23870	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith - Machinery Maintenance Mechanic - Machinist, Maintenance - Maintenance Trades Helper - Metrology Technician I - Metrology Technician II - Metrology Technician III - Millwright - Office Appliance Repairer - Painter, Maintenance - Pipefitter, Maintenance - Plumber, Maintenance - Plumber, Maintenance - Pneudraulic Systems Mechanic - Rigger - Scale Mechanic	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13 20.72 11.77*** 20.72 22.03 23.33 20.72 19.46 17.04 19.96 18.75 20.72 20.72 20.72 18.20
Mechan 23411 Mechan 23440 23440 23465 23470 23510 23550 23591 23592 23593 23640 23710 23760 23810 23820 23850 23870 23890	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith - Machinery Maintenance Mechanic - Machinist, Maintenance - Maintenance Trades Helper - Metrology Technician I - Metrology Technician II - Metrology Technician III - Millwright - Office Appliance Repairer - Painter, Maintenance - Pipefitter, Maintenance - Pipefitter, Maintenance - Pipefitter, Maintenance - Pneudraulic Systems Mechanic - Rigger - Scale Mechanic - Sheet-Metal Worker, Maintenance	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13 20.72 11.77*** 20.72 22.03 23.33 20.72 19.46 17.04 19.96 18.75 20.72 20.72 20.72 18.20 19.55
Mechan 23411 Mechan 23440 23440 23465 23470 23510 23550 23591 23592 23593 23640 23710 23760 23820 23850 23870 23890 23910	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith - Machinery Maintenance Mechanic - Machinist, Maintenance - Maintenance Trades Helper - Metrology Technician I - Metrology Technician II - Metrology Technician III - Millwright - Office Appliance Repairer - Painter, Maintenance - Pipefitter, Maintenance - Plumber, Maintenance - Plumber, Maintenance - Pneudraulic Systems Mechanic - Rigger - Scale Mechanic - Sheet-Metal Worker, Maintenance - Small Engine Mechanic	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13 20.72 11.77*** 20.72 22.03 23.33 20.72 19.46 17.04 19.96 18.75 20.72 20.72 18.20 19.55 18.20
Mechan 23411 Mechan 23430 23440 23440 23465 23470 23510 23530 23550 23580 23591 23592 23593 23640 23710 23760 23790 23810 23820 23870 23870 23890 23910 23931	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith - Machinery Maintenance Mechanic - Machinist, Maintenance - Maintenance Trades Helper - Metrology Technician I - Metrology Technician II - Metrology Technician III - Millwright - Office Appliance Repairer - Painter, Maintenance - Pipefitter, Maintenance - Plumber, Maintenance - Plumber, Maintenance - Pneudraulic Systems Mechanic - Rigger - Scale Mechanic - Sheet-Metal Worker, Maintenance - Small Engine Mechanic - Telecommunications Mechanic I	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13 20.72 11.77*** 20.72 22.03 23.33 20.72 19.46 17.04 19.96 18.75 20.72 20.72 18.20 19.55 18.20 19.96
Mechan 23411 Mechan 23430 23440 23465 23470 23510 23550 23591 23592 23593 23640 23710 23760 23820 23850 23870 23890 23910 23931 23932	Heating, Ventilation And Air Contidioning ic (Research Facility) Heavy Equipment Mechanic Heavy Equipment Operator Instrument Mechanic Laboratory/Shelter Mechanic Laborer Locksmith Machinery Maintenance Mechanic Machinist, Maintenance Maintenance Trades Helper Metrology Technician I Metrology Technician II Metrology Technician III Millwright Office Appliance Repairer Painter, Maintenance Pipefitter, Maintenance Plumber, Maintenance Plumber, Maintenance Pneudraulic Systems Mechanic Rigger Scale Mechanic Sheet-Metal Worker, Maintenance Small Engine Mechanic I Telecommunications Mechanic II	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13 20.72 11.77*** 20.72 22.03 23.33 20.72 19.46 17.04 19.96 18.75 20.72 20.72 18.20 19.55 18.20 19.96 21.24
Mechan 23411 Mechan 23430 23440 23460 23510 23530 23550 23591 23592 23593 23640 23710 23760 23790 23810 23820 23870 23890 23910 23931 23932 23950	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith - Machinery Maintenance Mechanic - Machinist, Maintenance - Maintenance Trades Helper - Metrology Technician I - Metrology Technician II - Metrology Technician III - Millwright - Office Appliance Repairer - Painter, Maintenance - Pipefitter, Maintenance - Pipefitter, Maintenance - Plumber, Maintenance - Pneudraulic Systems Mechanic - Rigger - Scale Mechanic - Sheet-Metal Worker, Maintenance - Small Engine Mechanic - Telecommunications Mechanic II - Telecommunications Mechanic II - Telephone Lineman	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13 20.72 11.77*** 20.72 22.03 23.33 20.72 19.46 17.04 19.96 18.75 20.72 20.72 18.20 19.55 18.20 19.96
Mechan 23411 Mechan 23430 23440 23460 23510 23530 23550 23591 23592 23593 23640 23710 23760 23790 23810 23820 23870 23890 23910 23931 23932 23950	Heating, Ventilation And Air Contidioning ic (Research Facility) Heavy Equipment Mechanic Heavy Equipment Operator Instrument Mechanic Laboratory/Shelter Mechanic Laborer Locksmith Machinery Maintenance Mechanic Machinist, Maintenance Maintenance Trades Helper Metrology Technician I Metrology Technician II Metrology Technician III Millwright Office Appliance Repairer Painter, Maintenance Pipefitter, Maintenance Plumber, Maintenance Plumber, Maintenance Pneudraulic Systems Mechanic Rigger Scale Mechanic Sheet-Metal Worker, Maintenance Small Engine Mechanic I Telecommunications Mechanic II	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13 20.72 11.77*** 20.72 22.03 23.33 20.72 19.46 17.04 19.96 18.75 20.72 20.72 18.20 19.55 18.20 19.96 21.24
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Mechan 23411 Mechan 23430 23440 23460 23510 23530 23550 23591 23592 23593 23640 23710 23760 23790 23810 23820 23850 23870 23890 23911 23932 23950 23960 23965	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith - Machinery Maintenance Mechanic - Machinist, Maintenance - Maintenance Trades Helper - Metrology Technician II - Metrology Technician III - Millwright - Office Appliance Repairer - Painter, Maintenance - Pipefitter, Maintenance - Pipefitter, Maintenance - Pneudraulic Systems Mechanic - Rigger - Scale Mechanic - Sheet-Metal Worker, Maintenance - Small Engine Mechanic - Telecommunications Mechanic II - Telecommunications Mechanic II - Telephone Lineman - Welder, Combination, Maintenance - Well Driller	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13 20.72 11.77*** 20.72 22.03 23.33 20.72 19.46 17.04 19.96 18.75 20.72 20.72 18.20 19.55 18.20 19.96 21.24 20.62 19.96 21.13
Mechan 23411 Mechan 23430 23440 23460 23465 23470 23530 23550 23591 23592 23593 23640 23710 23760 23760 23820 23850 23870 23890 23910 23931 23932 23950 23960 23965 23970	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith - Machinery Maintenance Mechanic - Machinist, Maintenance - Maintenance Trades Helper - Metrology Technician II - Metrology Technician III - Millwright - Office Appliance Repairer - Painter, Maintenance - Pipefitter, Maintenance - Pipefitter, Maintenance - Plumber, Maintenance - Plumber, Maintenance - Scale Mechanic - Scale Mechanic - Sheet-Metal Worker, Maintenance - Small Engine Mechanic II - Telecommunications Mechanic II - Telecommunications Mechanic II - Telecommunications Mechanic II - Telephone Lineman - Welder, Combination, Maintenance - Well Driller - Woodcraft Worker	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13 20.72 11.77*** 20.72 22.03 23.33 20.72 19.46 17.04 19.96 18.75 20.72 20.72 18.20 19.55 18.20 19.96 21.24 20.62 19.96 21.13 20.71
Mechan 23411 Mechan 23440 23440 23460 23465 23470 23530 23550 23591 23592 23593 23640 23710 23760 23760 23820 23850 23870 23931 23932 23950 23960 23965 23970 23980	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith - Machinery Maintenance Mechanic - Machinist, Maintenance - Maintenance Trades Helper - Metrology Technician I - Metrology Technician III - Metrology Technician III - Millwright - Office Appliance Repairer - Painter, Maintenance - Pipefitter, Maintenance - Pipefitter, Maintenance - Pneudraulic Systems Mechanic - Rigger - Scale Mechanic - Sheet-Metal Worker, Maintenance - Small Engine Mechanic - Telecommunications Mechanic II - Telephone Lineman - Welder, Combination, Maintenance - Well Driller - Woodcraft Worker - Woodworker	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13 20.72 11.77*** 20.72 22.03 23.33 20.72 19.46 17.04 19.96 18.75 20.72 20.72 18.20 19.55 18.20 19.96 21.24 20.62 19.96 21.13
Mechan 23411 Mechan 23440 23440 23460 23465 23470 23530 23550 23591 23592 23593 23640 23710 23760 23760 23820 23850 23870 23931 23932 23950 23960 23965 23970 23980 24000 -	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith - Machinery Maintenance Mechanic - Machinist, Maintenance - Maintenance Trades Helper - Metrology Technician I - Metrology Technician II - Metrology Technician III - Millwright - Office Appliance Repairer - Painter, Maintenance - Pipefitter, Maintenance - Pipefitter, Maintenance - Pneudraulic Systems Mechanic - Rigger - Scale Mechanic - Sheet-Metal Worker, Maintenance - Small Engine Mechanic - Telecommunications Mechanic II - Telecommunications Mechanic II - Telephone Lineman - Welder, Combination, Maintenance - Well Driller - Woodcraft Worker - Woodworker - Personal Needs Occupations	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13 20.72 11.77*** 20.72 22.03 23.33 20.72 19.46 17.04 19.96 18.75 20.72 20.72 18.20 19.55 18.20 19.96 21.24 20.62 19.96 21.13 20.71 15.61***
Mechan 23411 Mechan 23440 23440 23460 23465 23470 23530 23550 23591 23592 23593 23640 23710 23760 23760 23820 23850 23870 23931 23932 23950 23960 23965 23970 23980 24000 -	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith - Machinery Maintenance Mechanic - Machinist, Maintenance - Maintenance Trades Helper - Metrology Technician I - Metrology Technician III - Metrology Technician III - Millwright - Office Appliance Repairer - Painter, Maintenance - Pipefitter, Maintenance - Pipefitter, Maintenance - Pneudraulic Systems Mechanic - Rigger - Scale Mechanic - Sheet-Metal Worker, Maintenance - Small Engine Mechanic - Telecommunications Mechanic II - Telephone Lineman - Welder, Combination, Maintenance - Well Driller - Woodcraft Worker - Woodworker	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13 20.72 11.77*** 20.72 22.03 23.33 20.72 19.46 17.04 19.96 18.75 20.72 20.72 18.20 19.55 18.20 19.96 21.24 20.62 19.96 21.13 20.71 15.61***
Mechan 23411 Mechan 23440 23440 23465 23470 23510 23550 23591 23592 23593 23640 23710 23760 23760 23820 23850 23870 23931 23932 23950 23960 23965 23970 23980 24550	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith - Machinery Maintenance Mechanic - Machinist, Maintenance - Maintenance Trades Helper - Metrology Technician I - Metrology Technician II - Metrology Technician III - Millwright - Office Appliance Repairer - Painter, Maintenance - Pipefitter, Maintenance - Pipefitter, Maintenance - Pneudraulic Systems Mechanic - Rigger - Scale Mechanic - Sheet-Metal Worker, Maintenance - Small Engine Mechanic - Telecommunications Mechanic II - Telecommunications Mechanic II - Telephone Lineman - Welder, Combination, Maintenance - Well Driller - Woodcraft Worker - Woodworker - Personal Needs Occupations	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13 20.72 11.77*** 20.72 22.03 23.33 20.72 19.46 17.04 19.96 18.75 20.72 20.72 18.20 19.55 18.20 19.96 21.24 20.62 19.96 21.13 20.71 15.61***
Mechan 23411 Mechan 23440 23440 23465 23470 23510 23550 23591 23592 23593 23640 23710 23760 23760 23820 23850 23870 23890 23910 23931 23932 23950 23965 23970 23980 24550 24570	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith - Machinery Maintenance Mechanic - Machinist, Maintenance - Maintenance Trades Helper - Metrology Technician I - Metrology Technician II - Metrology Technician III - Millwright - Office Appliance Repairer - Painter, Maintenance - Pipefitter, Maintenance - Pipefitter, Maintenance - Plumber, Maintenance - Pneudraulic Systems Mechanic - Rigger - Scale Mechanic - Sheet-Metal Worker, Maintenance - Small Engine Mechanic - Telecommunications Mechanic II - Telecommu	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13 20.72 11.77*** 20.72 22.03 23.33 20.72 19.46 17.04 19.96 18.75 20.72 20.72 18.20 19.55 18.20 19.55 18.20 19.96 21.13 20.71 15.61*** 15.01*** 10.09***
Mechan 23411 Mechan 23430 23440 23465 23470 23510 23550 23591 23592 23593 23640 23710 23760 23820 23850 23870 23890 23910 23931 23932 23950 23965 23970 23980 24550 24570 24580	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith - Machinery Maintenance Mechanic - Machinist, Maintenance - Maintenance Trades Helper - Metrology Technician II - Metrology Technician II - Metrology Technician III - Millwright - Office Appliance Repairer - Painter, Maintenance - Pipefitter, Maintenance - Pipefitter, Maintenance - Pneudraulic Systems Mechanic - Rigger - Scale Mechanic - Sheet-Metal Worker, Maintenance - Small Engine Mechanic - Telecommunications Mechanic II - Telecommunications Mechanic II - Telephone Lineman - Welder, Combination, Maintenance - Well Driller - Woodcraft Worker - Woodworker - Personal Needs Occupations - Case Manager - Child Care Attendant - Child Care Center Clerk	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13 20.72 11.77*** 20.72 22.03 23.33 20.72 19.46 17.04 19.96 18.75 20.72 20.72 18.20 19.55 18.20 19.55 18.20 19.96 21.13 20.71 15.61*** 15.01*** 15.01*** 15.01***
Mechan 23411 Mechan 23430 23440 23465 23470 23510 23550 23580 23591 23592 23593 23640 23710 23760 23820 23850 23870 23890 23910 23931 23932 23950 23960 23960 23960 23960 23960 23960 24550 24570 24580 24610	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith - Machinery Maintenance Mechanic - Machinist, Maintenance - Maintenance Trades Helper - Metrology Technician II - Metrology Technician III - Metrology Technician III - Millwright - Office Appliance Repairer - Painter, Maintenance - Pipefitter, Maintenance - Plumber, Maintenance - Plumber, Maintenance - Plumber, Maintenance - Pleudraulic Systems Mechanic - Rigger - Scale Mechanic - Scale Mechanic - Sheet-Metal Worker, Maintenance - Small Engine Mechanic I - Telecommunications Mechanic II - T	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13 20.72 11.77*** 20.72 22.03 23.33 20.72 19.46 17.04 19.96 18.75 20.72 20.72 18.20 19.55 18.20 19.55 18.20 19.96 21.24 20.62 19.96 21.13 20.71 15.61*** 15.01*** 15.01*** 14.06***
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Mechan 23411 Mechan 23430 23440 23460 23465 23470 23530 23550 23591 23592 23593 23640 23710 23760 23820 23870 23820 23870 23890 23910 23931 23932 23950 23960 23965 23970 23980 24550 24570 24580 24610 24620 Coordi	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith - Machinery Maintenance Mechanic - Machinist, Maintenance - Maintenance Trades Helper - Metrology Technician I - Metrology Technician II - Metrology Technician III - Millwright - Office Appliance Repairer - Painter, Maintenance - Pipefitter, Maintenance - Plumber, Maintenance - Plumber, Maintenance - Plumber, Maintenance - Plumber, Maintenance - Small Engine Mechanic - Sheet-Metal Worker, Maintenance - Small Engine Mechanic - Telecommunications Mechanic II - Telephone Lineman - Welder, Combination, Maintenance - Well Driller - Woodcraft Worker - Woodworker - Personal Needs Occupations - Case Manager - Child Care Attendant - Child Care Center Clerk - Chore Aide - Family Readiness And Support Services - mator	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13 20.72 11.77*** 20.72 22.03 23.33 20.72 19.46 17.04 19.96 18.75 20.72 20.72 18.20 19.55
Mechan 23411 Mechan 23430 23440 23460 23465 23470 23530 23550 23591 23592 23593 23640 23710 23760 23820 23870 23820 23870 23890 23910 23931 23932 23950 23960 23965 23970 23980 24550 24570 24580 24610 24620 Coordi	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith - Machinery Maintenance Mechanic - Machinist, Maintenance - Maintenance Trades Helper - Metrology Technician II - Metrology Technician III - Metrology Technician III - Millwright - Office Appliance Repairer - Painter, Maintenance - Pipefitter, Maintenance - Plumber, Maintenance - Pneudraulic Systems Mechanic - Rigger - Scale Mechanic - Sheet-Metal Worker, Maintenance - Small Engine Mechanic - Telecommunications Mechanic II - Telephone Lineman - Welder, Combination, Maintenance - Well Driller - Woodcraft Worker - Woodworker - Personal Needs Occupations - Case Manager - Child Care Attendant - Child Care Center Clerk - Chore Aide - Family Readiness And Support Services	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13 20.72 11.77*** 20.72 22.03 23.33 20.72 19.46 17.04 19.96 18.75 20.72 20.72 18.20 19.55 18.20 19.55 18.20 19.96 21.24 20.62 19.96 21.13 20.71 15.61*** 15.01*** 15.01*** 14.06***
Mechan 23411 Mechan 23430 23440 23460 23465 23470 23510 23550 23591 23592 23593 23640 23710 23760 23820 23850 23870 23820 23850 23910 23931 23932 23950 23960 23965 23970 23980 24550 24570 24580 24610 24620 Coordi 24630	ic - Heating, Ventilation And Air Contidioning ic (Research Facility) - Heavy Equipment Mechanic - Heavy Equipment Operator - Instrument Mechanic - Laboratory/Shelter Mechanic - Laborer - Locksmith - Machinery Maintenance Mechanic - Machinist, Maintenance - Maintenance Trades Helper - Metrology Technician I - Metrology Technician II - Metrology Technician III - Millwright - Office Appliance Repairer - Painter, Maintenance - Pipefitter, Maintenance - Plumber, Maintenance - Plumber, Maintenance - Plumber, Maintenance - Plumber, Maintenance - Small Engine Mechanic - Sheet-Metal Worker, Maintenance - Small Engine Mechanic - Telecommunications Mechanic II - Telephone Lineman - Welder, Combination, Maintenance - Well Driller - Woodcraft Worker - Woodworker - Personal Needs Occupations - Case Manager - Child Care Attendant - Child Care Center Clerk - Chore Aide - Family Readiness And Support Services - mator	20.50 19.50 18.10 20.72 19.46 12.57*** 19.46 23.13 20.72 11.77*** 20.72 22.03 23.33 20.72 19.46 17.04 19.96 18.75 20.72 20.72 18.20 19.55

	- Boiler Tender	22.79
	- Sewage Plant Operator	22.79
	- Stationary Engineer	22.79
	, ,	15.72***
	- Ventilation Equipment Tender	22.89
	- Water Treatment Plant Operator	22.69
	Protective Service Occupations - Alarm Monitor	10.90***
		9.63***
	- Baggage Inspector	
	- Corrections Officer	14.59***
	- Court Security Officer	14.59***
	- Detection Dog Handler	10.90***
	- Detention Officer	14.59***
	- Firefighter	14.59***
	- Guard I	9.63***
	- Guard II	10.90***
	- Police Officer I	14.59***
	- Police Officer II	16.21
	Recreation Occupations	
	- Carnival Equipment Operator	13.24***
	- Carnival Equipment Repairer	14.46***
	- Carnival Worker	9.78***
	- Gate Attendant/Gate Tender	13.18***
	- Lifeguard	11.01***
	- Park Attendant (Aide)	14.74***
	- Recreation Aide/Health Facility Attendant	11.84***
	- Recreation Specialist	18.26
	- Sports Official	11.74***
	- Swimming Pool Operator	17.71
29000 -	Stevedoring/Longshoremen Occupational Services	
29010	- Blocker And Bracer	26.02
29020	- Hatch Tender	26.02
29030	- Line Handler	26.02
29041	- Stevedore I	24.21
29042	- Stevedore II	27.82
30000 -	Technical Occupations	
30010	- Air Traffic Control Specialist, Center (HFO)	(see 2) 43.06
30011	- Air Traffic Control Specialist, Station (HFO)	(see 2) 29.69
30012	- Air Traffic Control Specialist, Terminal (HFO)	(see 2) 32.70
30021	- Archeological Technician I	18.17
30022	- Archeological Technician II	20.33
	- Archeological Technician III	25.19
	- Cartographic Technician	25.19
	- Civil Engineering Technician	25.19
		23.19
30051		
	- Cryogenic Technician I	27.89
30052	- Cryogenic Technician I - Cryogenic Technician II	27.89 30.80
30052 30061	- Cryogenic Technician I - Cryogenic Technician II - Drafter/CAD Operator I	27.89 30.80 18.17
30052 30061 30062	Cryogenic Technician ICryogenic Technician IIDrafter/CAD Operator IDrafter/CAD Operator II	27.89 30.80 18.17 20.33
30052 30061 30062 30063	- Cryogenic Technician I - Cryogenic Technician II - Drafter/CAD Operator I - Drafter/CAD Operator II - Drafter/CAD Operator III	27.89 30.80 18.17 20.33 22.66
30052 30061 30062 30063 30064	- Cryogenic Technician I - Cryogenic Technician II - Drafter/CAD Operator I - Drafter/CAD Operator II - Drafter/CAD Operator III - Drafter/CAD Operator IV	27.89 30.80 18.17 20.33 22.66 27.89
30052 30061 30062 30063 30064 30081	- Cryogenic Technician I - Cryogenic Technician II - Drafter/CAD Operator I - Drafter/CAD Operator II - Drafter/CAD Operator III - Drafter/CAD Operator IV - Engineering Technician I	27.89 30.80 18.17 20.33 22.66 27.89 16.19***
30052 30061 30062 30063 30064 30081 30082	- Cryogenic Technician I - Cryogenic Technician II - Drafter/CAD Operator I - Drafter/CAD Operator II - Drafter/CAD Operator III - Drafter/CAD Operator IV - Engineering Technician I - Engineering Technician II	27.89 30.80 18.17 20.33 22.66 27.89 16.19***
30052 30061 30062 30063 30064 30081 30082 30083	- Cryogenic Technician I - Cryogenic Technician II - Drafter/CAD Operator I - Drafter/CAD Operator II - Drafter/CAD Operator III - Drafter/CAD Operator IV - Engineering Technician I - Engineering Technician III - Engineering Technician III	27.89 30.80 18.17 20.33 22.66 27.89 16.19*** 18.17 20.33
30052 30061 30062 30063 30064 30081 30082 30083 30084	- Cryogenic Technician I - Cryogenic Technician II - Drafter/CAD Operator I - Drafter/CAD Operator II - Drafter/CAD Operator III - Drafter/CAD Operator IV - Engineering Technician I - Engineering Technician III - Engineering Technician III - Engineering Technician IV	27.89 30.80 18.17 20.33 22.66 27.89 16.19*** 18.17 20.33 25.19
30052 30061 30062 30063 30064 30081 30082 30083 30084 30085	- Cryogenic Technician I - Cryogenic Technician II - Drafter/CAD Operator I - Drafter/CAD Operator II - Drafter/CAD Operator III - Drafter/CAD Operator IV - Engineering Technician I - Engineering Technician III - Engineering Technician III - Engineering Technician IV - Engineering Technician IV	27.89 30.80 18.17 20.33 22.66 27.89 16.19*** 18.17 20.33 25.19 30.80
30052 30061 30062 30063 30064 30081 30082 30083 30084 30085 30086	- Cryogenic Technician I - Cryogenic Technician II - Drafter/CAD Operator I - Drafter/CAD Operator II - Drafter/CAD Operator III - Drafter/CAD Operator IV - Engineering Technician I - Engineering Technician II - Engineering Technician III - Engineering Technician IV - Engineering Technician V - Engineering Technician V	27.89 30.80 18.17 20.33 22.66 27.89 16.19*** 18.17 20.33 25.19 30.80 37.27
30052 30061 30062 30063 30064 30081 30082 30083 30084 30085 30086 30090	- Cryogenic Technician I - Cryogenic Technician II - Drafter/CAD Operator I - Drafter/CAD Operator II - Drafter/CAD Operator III - Drafter/CAD Operator IV - Engineering Technician I - Engineering Technician II - Engineering Technician III - Engineering Technician IV - Engineering Technician V - Engineering Technician VI - Environmental Technician	27.89 30.80 18.17 20.33 22.66 27.89 16.19*** 18.17 20.33 25.19 30.80 37.27 25.19
30052 30061 30062 30063 30064 30081 30082 30083 30084 30085 30086 30090 30095	- Cryogenic Technician I - Cryogenic Technician II - Drafter/CAD Operator I - Drafter/CAD Operator II - Drafter/CAD Operator III - Drafter/CAD Operator IV - Engineering Technician I - Engineering Technician II - Engineering Technician III - Engineering Technician IV - Engineering Technician V - Engineering Technician V - Engineering Technician V - Environmental Technician - Evidence Control Specialist	27.89 30.80 18.17 20.33 22.66 27.89 16.19*** 18.17 20.33 25.19 30.80 37.27 25.19 25.19
30052 30061 30062 30063 30064 30081 30082 30083 30084 30085 30086 30090 30095 30210	- Cryogenic Technician I - Cryogenic Technician II - Drafter/CAD Operator I - Drafter/CAD Operator III - Drafter/CAD Operator III - Drafter/CAD Operator IV - Engineering Technician I - Engineering Technician III - Engineering Technician III - Engineering Technician IV - Engineering Technician V - Engineering Technician VI - Engineering Technician VI - Environmental Technician - Evidence Control Specialist - Laboratory Technician	27.89 30.80 18.17 20.33 22.66 27.89 16.19*** 18.17 20.33 25.19 30.80 37.27 25.19 25.19 22.66
30052 30061 30062 30063 30064 30081 30082 30083 30084 30085 30090 30095 30210 30221	- Cryogenic Technician I - Cryogenic Technician II - Drafter/CAD Operator I - Drafter/CAD Operator III - Drafter/CAD Operator III - Drafter/CAD Operator IV - Engineering Technician I - Engineering Technician III - Engineering Technician III - Engineering Technician IV - Engineering Technician V - Engineering Technician V - Engineering Technician V - Engineering Technician - Evidence Control Specialist - Laboratory Technician - Latent Fingerprint Technician I	27.89 30.80 18.17 20.33 22.66 27.89 16.19*** 18.17 20.33 25.19 30.80 37.27 25.19 25.19 22.66 27.89
30052 30061 30062 30063 30064 30081 30082 30083 30084 30085 30090 30095 30210 30221 30222	- Cryogenic Technician I - Cryogenic Technician II - Drafter/CAD Operator I - Drafter/CAD Operator II - Drafter/CAD Operator III - Drafter/CAD Operator IV - Engineering Technician I - Engineering Technician II - Engineering Technician III - Engineering Technician IV - Engineering Technician V - Engineering Technician V - Engineering Technician V - Engineering Technician - Evidence Control Specialist - Laboratory Technician - Latent Fingerprint Technician II	27.89 30.80 18.17 20.33 22.66 27.89 16.19*** 18.17 20.33 25.19 30.80 37.27 25.19 25.19 22.66 27.89 30.80
30052 30061 30062 30063 30064 30081 30082 30083 30084 30085 30090 30095 30210 30221 30222 30240	- Cryogenic Technician I - Cryogenic Technician II - Drafter/CAD Operator I - Drafter/CAD Operator II - Drafter/CAD Operator III - Drafter/CAD Operator IV - Engineering Technician I - Engineering Technician II - Engineering Technician III - Engineering Technician IV - Engineering Technician V - Engineering Technician V - Engineering Technician V - Environmental Technician - Evidence Control Specialist - Laboratory Technician - Latent Fingerprint Technician II - Mathematical Technician	27.89 30.80 18.17 20.33 22.66 27.89 16.19*** 18.17 20.33 25.19 30.80 37.27 25.19 25.19 22.66 27.89 30.80 25.19
30052 30061 30062 30063 30064 30081 30082 30083 30084 30085 30090 30095 30210 30221 30222 30240 30361	- Cryogenic Technician I - Cryogenic Technician II - Drafter/CAD Operator I - Drafter/CAD Operator II - Drafter/CAD Operator III - Drafter/CAD Operator IV - Engineering Technician I - Engineering Technician II - Engineering Technician III - Engineering Technician IV - Engineering Technician V - Engineering Technician V - Engineering Technician V - Engineering Technician II - Environmental Technician - Evidence Control Specialist - Laboratory Technician - Latent Fingerprint Technician II - Mathematical Technician - Paralegal/Legal Assistant I	27.89 30.80 18.17 20.33 22.66 27.89 16.19*** 18.17 20.33 25.19 30.80 37.27 25.19 25.19 22.66 27.89 30.80 25.19
30052 30061 30062 30063 30064 30081 30082 30085 30086 30090 30095 30210 30221 30222 30240 30361 30362	- Cryogenic Technician I - Cryogenic Technician II - Drafter/CAD Operator I - Drafter/CAD Operator II - Drafter/CAD Operator III - Drafter/CAD Operator IV - Engineering Technician I - Engineering Technician II - Engineering Technician III - Engineering Technician IV - Engineering Technician V - Engineering Technician V - Engineering Technician V - Engineering Technician II - Environmental Technician - Evidence Control Specialist - Laboratory Technician - Latent Fingerprint Technician II - Mathematical Technician - Paralegal/Legal Assistant I - Paralegal/Legal Assistant II	27.89 30.80 18.17 20.33 22.66 27.89 16.19*** 18.17 20.33 25.19 30.80 37.27 25.19 22.66 27.89 30.80 25.19 22.66 27.89 30.80 25.19 42.66
30052 30061 30062 30063 30064 30081 30082 30083 30084 30085 30090 30095 30210 30221 30222 30240 30361 30362 30363	- Cryogenic Technician I - Cryogenic Technician II - Drafter/CAD Operator I - Drafter/CAD Operator II - Drafter/CAD Operator III - Drafter/CAD Operator IV - Engineering Technician I - Engineering Technician II - Engineering Technician III - Engineering Technician IV - Engineering Technician V - Engineering Technician V - Engineering Technician V - Engineering Technician II - Environmental Technician - Evidence Control Specialist - Laboratory Technician - Latent Fingerprint Technician II - Mathematical Technician - Paralegal/Legal Assistant II - Paralegal/Legal Assistant III	27.89 30.80 18.17 20.33 22.66 27.89 16.19*** 18.17 20.33 25.19 30.80 37.27 25.19 22.66 27.89 30.80 25.19 19.54 24.21 29.61
30052 30061 30062 30063 30064 30081 30082 30083 30084 30085 30090 30095 30210 30221 30222 30240 30361 30362 30363 30364	- Cryogenic Technician I - Cryogenic Technician II - Drafter/CAD Operator I - Drafter/CAD Operator II - Drafter/CAD Operator III - Drafter/CAD Operator IV - Engineering Technician I - Engineering Technician II - Engineering Technician III - Engineering Technician IV - Engineering Technician V - Engineering Technician V - Engineering Technician V - Engineering Technician - Evidence Control Specialist - Laboratory Technician - Latent Fingerprint Technician I - Latent Fingerprint Technician II - Mathematical Technician - Paralegal/Legal Assistant II - Paralegal/Legal Assistant III - Paralegal/Legal Assistant IV	27.89 30.80 18.17 20.33 22.66 27.89 16.19*** 18.17 20.33 25.19 30.80 37.27 25.19 22.66 27.89 30.80 25.19 22.66 27.89 30.80 25.19 19.54 24.21 29.61 35.83
30052 30061 30062 30063 30064 30081 30082 30083 30084 30085 30090 30095 30210 30221 30222 30240 30361 30362 30363 30364 30375	- Cryogenic Technician I - Cryogenic Technician II - Drafter/CAD Operator I - Drafter/CAD Operator II - Drafter/CAD Operator III - Drafter/CAD Operator IV - Engineering Technician I - Engineering Technician II - Engineering Technician III - Engineering Technician IV - Engineering Technician V - Engineering Technician V - Engineering Technician V - Engineering Technician - Evidence Control Specialist - Laboratory Technician - Latent Fingerprint Technician I - Latent Fingerprint Technician II - Mathematical Technician - Paralegal/Legal Assistant II - Paralegal/Legal Assistant III - Paralegal/Legal Assistant IV - Petroleum Supply Specialist	27.89 30.80 18.17 20.33 22.66 27.89 16.19*** 18.17 20.33 25.19 30.80 37.27 25.19 22.66 27.89 30.80 25.19 22.66 27.89 30.80 25.19 19.54 24.21 29.61 35.83 30.80
30052 30061 30062 30063 30064 30081 30082 30083 30084 30085 30090 30095 30210 30221 30222 30240 30361 30362 30363 30375 30390	- Cryogenic Technician I - Cryogenic Technician II - Drafter/CAD Operator I - Drafter/CAD Operator II - Drafter/CAD Operator III - Drafter/CAD Operator IV - Engineering Technician I - Engineering Technician II - Engineering Technician III - Engineering Technician IV - Engineering Technician V - Engineering Technician V - Engineering Technician V - Engineering Technician - Evidence Control Specialist - Laboratory Technician - Latent Fingerprint Technician I - Latent Fingerprint Technician II - Mathematical Technician - Paralegal/Legal Assistant I - Paralegal/Legal Assistant III - Paralegal/Legal Assistant IV - Petroleum Supply Specialist - Photo-Optics Technician	27.89 30.80 18.17 20.33 22.66 27.89 16.19*** 18.17 20.33 25.19 30.80 37.27 25.19 22.66 27.89 30.80 25.19 22.66 27.89 30.80 25.19 29.61 35.83 30.80 24.92
30052 30061 30062 30063 30064 30081 30082 30083 30084 30085 30090 30095 30210 30221 30222 30240 30361 30362 30363 30364 30375 30390 30395	- Cryogenic Technician I - Cryogenic Technician II - Drafter/CAD Operator I - Drafter/CAD Operator II - Drafter/CAD Operator III - Drafter/CAD Operator IV - Engineering Technician I - Engineering Technician II - Engineering Technician III - Engineering Technician IV - Engineering Technician V - Engineering Technician V - Engineering Technician V - Engineering Technician V - Engineering Technician - Evidence Control Specialist - Laboratory Technician - Latent Fingerprint Technician I - Latent Fingerprint Technician II - Mathematical Technician - Paralegal/Legal Assistant II - Paralegal/Legal Assistant III - Paralegal/Legal Assistant IV - Petroleum Supply Specialist - Photo-Optics Technician - Radiation Control Technician	27.89 30.80 18.17 20.33 22.66 27.89 16.19*** 18.17 20.33 25.19 30.80 37.27 25.19 22.66 27.89 30.80 25.19 19.54 24.21 29.61 35.83 30.80 24.92 30.80
30052 30061 30062 30063 30081 30082 30083 30084 30085 30086 30090 30095 30210 30221 30222 30240 30361 30362 30363 30364 30375 30390 30395 30461	- Cryogenic Technician I - Cryogenic Technician II - Drafter/CAD Operator I - Drafter/CAD Operator II - Drafter/CAD Operator III - Drafter/CAD Operator IV - Engineering Technician I - Engineering Technician II - Engineering Technician III - Engineering Technician IV - Engineering Technician V - Engineering Technician V - Engineering Technician V - Engineering Technician V - Engineering Technician - Evidence Control Specialist - Laboratory Technician - Latent Fingerprint Technician I - Latent Fingerprint Technician II - Mathematical Technician - Paralegal/Legal Assistant II - Paralegal/Legal Assistant III - Paralegal/Legal Assistant IV - Petroleum Supply Specialist - Photo-Optics Technician - Radiation Control Technician - Technical Writer I	27.89 30.80 18.17 20.33 22.66 27.89 16.19*** 18.17 20.33 25.19 30.80 37.27 25.19 25.19 22.66 27.89 30.80 25.19 19.54 24.21 29.61 35.83 30.80 24.92 30.80 25.19
30052 30061 30062 30063 30064 30081 30082 30083 30086 30090 30095 30210 30221 30222 30240 30361 30362 30363 30364 30375 30390 30395 30461 30462	- Cryogenic Technician I - Cryogenic Technician II - Drafter/CAD Operator I - Drafter/CAD Operator II - Drafter/CAD Operator III - Drafter/CAD Operator IV - Engineering Technician I - Engineering Technician II - Engineering Technician III - Engineering Technician IV - Engineering Technician V - Engineering Technician V - Engineering Technician V - Engineering Technician V - Environmental Technician - Evidence Control Specialist - Laboratory Technician - Latent Fingerprint Technician I - Latent Fingerprint Technician II - Mathematical Technician - Paralegal/Legal Assistant II - Paralegal/Legal Assistant III - Paralegal/Legal Assistant IV - Petroleum Supply Specialist - Photo-Optics Technician - Radiation Control Technician - Technical Writer I - Technical Writer II	27.89 30.80 18.17 20.33 22.66 27.89 16.19*** 18.17 20.33 25.19 30.80 37.27 25.19 22.66 27.89 30.80 25.19 19.54 24.21 29.61 35.83 30.80 24.92 30.80 25.19 30.80
30052 30061 30062 30063 30064 30081 30082 30083 30086 30090 30095 30210 30221 30222 30240 30361 30362 30363 30364 30375 30390 30395 30461 30462 30463	- Cryogenic Technician I - Cryogenic Technician II - Drafter/CAD Operator I - Drafter/CAD Operator II - Drafter/CAD Operator III - Drafter/CAD Operator IV - Engineering Technician I - Engineering Technician II - Engineering Technician III - Engineering Technician IV - Engineering Technician IV - Engineering Technician V - Engineering Technician V - Engineering Technician V - Engineering Technician III - Environmental Technician - Evidence Control Specialist - Laboratory Technician - Latent Fingerprint Technician II - Mathematical Technician - Paralegal/Legal Assistant II - Paralegal/Legal Assistant III - Paralegal/Legal Assistant III - Paralegal/Legal Assistant IV - Petroleum Supply Specialist - Photo-Optics Technician - Radiation Control Technician - Technical Writer II - Technical Writer III	27.89 30.80 18.17 20.33 22.66 27.89 16.19*** 18.17 20.33 25.19 30.80 37.27 25.19 22.66 27.89 30.80 25.19 19.54 24.21 29.61 35.83 30.80 24.92 30.80 25.19 30.80 25.19
30052 30061 30062 30063 30064 30081 30082 30085 30086 30095 30210 30221 30222 30240 30361 30362 30363 30364 30375 30390 30395 30461 30462 30463 30491	- Cryogenic Technician I - Cryogenic Technician II - Drafter/CAD Operator I - Drafter/CAD Operator II - Drafter/CAD Operator III - Drafter/CAD Operator IV - Engineering Technician I - Engineering Technician II - Engineering Technician III - Engineering Technician IV - Engineering Technician V - Engineering Technician V - Engineering Technician V - Engineering Technician - Evidence Control Specialist - Laboratory Technician - Latent Fingerprint Technician I - Latent Fingerprint Technician II - Mathematical Technician - Paralegal/Legal Assistant II - Paralegal/Legal Assistant III - Paralegal/Legal Assistant IV - Petroleum Supply Specialist - Photo-Optics Technician - Radiation Control Technician - Technical Writer II - Technical Writer III - Unexploded Ordnance (UXO) Technician I	27.89 30.80 18.17 20.33 22.66 27.89 16.19*** 18.17 20.33 25.19 30.80 37.27 25.19 22.66 27.89 30.80 25.19 19.54 24.21 29.61 35.83 30.80 24.92 30.80 25.19 30.80 37.27 27.37
30052 30061 30062 30063 30064 30081 30082 30085 30086 30095 30210 30221 30222 30240 30361 30362 30363 30364 30375 30395 30461 30462 30463 30491 30492	- Cryogenic Technician I - Cryogenic Technician II - Drafter/CAD Operator I - Drafter/CAD Operator II - Drafter/CAD Operator III - Drafter/CAD Operator IV - Engineering Technician I - Engineering Technician II - Engineering Technician III - Engineering Technician IV - Engineering Technician V - Engineering Technician V - Engineering Technician V - Engineering Technician - Evidence Control Specialist - Laboratory Technician - Latent Fingerprint Technician I - Latent Fingerprint Technician II - Mathematical Technician - Paralegal/Legal Assistant II - Paralegal/Legal Assistant III - Paralegal/Legal Assistant IV - Petroleum Supply Specialist - Photo-Optics Technician - Radiation Control Technician - Technical Writer I - Technical Writer II - Technical Writer III - Unexploded Ordnance (UXO) Technician II	27.89 30.80 18.17 20.33 22.66 27.89 16.19*** 18.17 20.33 25.19 30.80 37.27 25.19 22.66 27.89 30.80 25.19 19.54 24.21 29.61 35.83 30.80 24.92 30.80 25.19 30.80 37.27 27.37 33.11
30052 30061 30062 30063 30064 30081 30082 30085 30086 30095 30210 30221 30222 30240 30361 30362 30363 30364 30375 30390 30395 30491 30492 30493	- Cryogenic Technician II - Cryogenic Technician II - Drafter/CAD Operator I - Drafter/CAD Operator II - Drafter/CAD Operator III - Drafter/CAD Operator IV - Engineering Technician I - Engineering Technician II - Engineering Technician III - Engineering Technician IV - Engineering Technician V - Engineering Technician II - Laboratory Technician - Evidence Control Specialist - Laboratory Technician - Latent Fingerprint Technician II - Mathematical Technician - Paralegal/Legal Assistant II - Paralegal/Legal Assistant II - Paralegal/Legal Assistant III - Paralegal/Legal Assistant IV - Petroleum Supply Specialist - Photo-Optics Technician - Radiation Control Technician - Technical Writer II - Technical Writer II - Technical Writer III - Unexploded Ordnance (UXO) Technician II - Unexploded Ordnance (UXO) Technician III - Unexploded Ordnance (UXO) Technician III - Unexploded Ordnance (UXO) Technician III	27.89 30.80 18.17 20.33 22.66 27.89 16.19*** 18.17 20.33 25.19 30.80 37.27 25.19 22.66 27.89 30.80 25.19 19.54 24.21 29.61 35.83 30.80 24.92 30.80 25.19 30.80 37.27 27.37 33.11 39.69
30052 30061 30062 30063 30064 30081 30082 30085 30086 30095 30210 30221 30222 30240 30361 30362 30363 30364 30375 30390 30395 30461 30462 30463 30491 30492 30493 30494	- Cryogenic Technician II - Cryogenic Technician II - Drafter/CAD Operator I - Drafter/CAD Operator II - Drafter/CAD Operator III - Drafter/CAD Operator IV - Engineering Technician I - Engineering Technician II - Engineering Technician III - Engineering Technician IV - Engineering Technician IV - Engineering Technician V - Engineering Technician V - Engineering Technician VI - Environmental Technician - Evidence Control Specialist - Laboratory Technician - Latent Fingerprint Technician II - Mathematical Technician - Paralegal/Legal Assistant II - Paralegal/Legal Assistant II - Paralegal/Legal Assistant III - Paralegal/Legal Assistant IV - Petroleum Supply Specialist - Photo-Optics Technician - Radiation Control Technician - Radiation Control Technician - Technical Writer II - Technical Writer II - Technical Writer III - Unexploded Ordnance (UXO) Technician III - Unexploded Ordnance (UXO) Technician III - Unexploded Ordnance (UXO) Technician III - Unexploded (UXO) Safety Escort	27.89 30.80 18.17 20.33 22.66 27.89 16.19*** 18.17 20.33 25.19 30.80 37.27 25.19 22.66 27.89 30.80 25.19 19.54 24.21 29.61 35.83 30.80 24.92 30.80 25.19 30.80 37.27 27.37 33.11 39.69 27.37
30052 30061 30062 30063 30064 30081 30082 30085 30086 30095 30210 30221 30222 30240 30361 30362 30363 30364 30375 30390 30395 30461 30462 30463 30491 30492 30493 30494 30495	- Cryogenic Technician I - Cryogenic Technician II - Drafter/CAD Operator I - Drafter/CAD Operator II - Drafter/CAD Operator III - Drafter/CAD Operator IV - Engineering Technician I - Engineering Technician II - Engineering Technician III - Engineering Technician IV - Engineering Technician V - Engineering Technician - Evidence Control Specialist - Laboratory Technician - Latent Fingerprint Technician II - Mathematical Technician - Paralegal/Legal Assistant II - Paralegal/Legal Assistant II - Paralegal/Legal Assistant III - Paralegal/Legal Assistant IV - Petroleum Supply Specialist - Photo-Optics Technician - Radiation Control Technician - Technical Writer I - Technical Writer II - Technical Writer III - Unexploded Ordnance (UXO) Technician II - Unexploded Ordnance (UXO) Technician III - Unexploded Ordnance (UXO) Technician III - Unexploded (UXO) Safety Escort - Unexploded (UXO) Sweep Personnel	27.89 30.80 18.17 20.33 22.66 27.89 16.19*** 18.17 20.33 25.19 30.80 37.27 25.19 22.66 27.89 30.80 25.19 19.54 24.21 29.61 35.83 30.80 24.92 30.80 25.19 30.80 27.37 33.11 39.69 27.37
30052 30061 30062 30063 30064 30081 30082 30083 30086 30095 30210 30221 30222 30240 30361 30362 30363 30364 30375 30390 30395 30461 30462 30463 30463 30491 30492 30493 30494 30495 30501	- Cryogenic Technician I - Cryogenic Technician II - Drafter/CAD Operator I - Drafter/CAD Operator II - Drafter/CAD Operator III - Drafter/CAD Operator IV - Engineering Technician I - Engineering Technician II - Engineering Technician III - Engineering Technician IV - Engineering Technician IV - Engineering Technician V - Engineering Technician V - Engineering Technician V - Engineering Technician V - Engineering Technician - Evidence Control Specialist - Laboratory Technician - Latent Fingerprint Technician II - Mathematical Technician - Paralegal/Legal Assistant II - Paralegal/Legal Assistant II - Paralegal/Legal Assistant III - Paralegal/Legal Assistant IV - Petroleum Supply Specialist - Photo-Optics Technician - Radiation Control Technician - Technical Writer I - Technical Writer II - Technical Writer III - Unexploded Ordnance (UXO) Technician II - Unexploded Ordnance (UXO) Technician III - Unexploded (UXO) Safety Escort - Unexploded (UXO) Sweep Personnel - Weather Forecaster I	27.89 30.80 18.17 20.33 22.66 27.89 16.19*** 18.17 20.33 25.19 30.80 37.27 25.19 22.66 27.89 30.80 25.19 19.54 24.21 29.61 35.83 30.80 24.92 30.80 25.19 30.80 27.37 27.37 33.11 39.69 27.37 27.37 27.89
30052 30061 30062 30063 30064 30081 30082 30083 30086 30090 30221 30222 30240 30361 30362 30363 30364 30375 30390 30395 30461 30462 30463 30463 30491 30492 30493 30494 30502	- Cryogenic Technician I - Cryogenic Technician II - Drafter/CAD Operator I - Drafter/CAD Operator II - Drafter/CAD Operator III - Drafter/CAD Operator III - Drafter/CAD Operator IV - Engineering Technician I - Engineering Technician II - Engineering Technician III - Engineering Technician IV - Engineering Technician V - Engineering Technician V - Engineering Technician VI - Environmental Technician - Evidence Control Specialist - Laboratory Technician - Latent Fingerprint Technician II - Mathematical Technician - Paralegal/Legal Assistant II - Paralegal/Legal Assistant II - Paralegal/Legal Assistant III - Paralegal/Legal Assistant IV - Petroleum Supply Specialist - Photo-Optics Technician - Radiation Control Technician - Technical Writer I - Technical Writer II - Technical Writer III - Unexploded Ordnance (UXO) Technician II - Unexploded Ordnance (UXO) Technician III - Unexploded Ordnance (UXO) Technician III - Unexploded (UXO) Safety Escort - Unexploded (UXO) Sweep Personnel - Weather Forecaster II - Weather Forecaster II	27.89 30.80 18.17 20.33 22.66 27.89 16.19*** 18.17 20.33 25.19 30.80 37.27 25.19 22.66 27.89 30.80 25.19 19.54 24.21 29.61 35.83 30.80 24.92 30.80 25.19 30.80 27.37 27.37 33.11 39.69 27.37 27.37 27.37 27.37 27.37
30052 30061 30062 30063 30064 30081 30082 30085 30086 30090 30221 30222 30240 30361 30362 30363 30364 30375 30390 30395 30491 30492 30493 30491 30492 30493 30491 30502 30502	- Cryogenic Technician I - Cryogenic Technician II - Drafter/CAD Operator I - Drafter/CAD Operator II - Drafter/CAD Operator III - Drafter/CAD Operator III - Drafter/CAD Operator IV - Engineering Technician I - Engineering Technician II - Engineering Technician IV - Engineering Technician IV - Engineering Technician V - Engineering Technician V - Engineering Technician VI - Environmental Technician - Evidence Control Specialist - Laboratory Technician - Latent Fingerprint Technician II - Mathematical Technician - Paralegal/Legal Assistant II - Paralegal/Legal Assistant II - Paralegal/Legal Assistant III - Paralegal/Legal Assistant IV - Petroleum Supply Specialist - Photo-Optics Technician - Radiation Control Technician - Technical Writer I - Technical Writer I - Technical Writer II - Technical Writer III - Unexploded Ordnance (UXO) Technician II - Unexploded Ordnance (UXO) Technician III - Unexploded Ordnance (UXO) Technician III - Unexploded Ordnance (UXO) Technician III - Unexploded (UXO) Safety Escort - Unexploded (UXO) Sweep Personnel - Weather Forecaster II - Weather Forecaster II	27.89 30.80 18.17 20.33 22.66 27.89 16.19*** 18.17 20.33 25.19 30.80 37.27 25.19 22.66 27.89 30.80 25.19 19.54 24.21 29.61 35.83 30.80 24.92 30.80 25.19 30.80 27.37 27.37 33.11 39.69 27.37 27.37 27.89

	·	ee 2)	25.19
	Transportation/Mobile Equipment Operation Occupatio - Airplane Pilot	ns	33.11
	- Bus Aide		8.97***
	- Bus Driver		11.73***
	- Driver Courier		10.26***
31260	- Parking and Lot Attendant		9.91***
	- Shuttle Bus Driver		11.65***
31310	- Taxi Driver		11.41***
31361	- Truckdriver, Light		11.21***
31362	- Truckdriver, Medium		12.16***
31363	- Truckdriver, Heavy		16.11***
	- Truckdriver, Tractor-Trailer		16.11***
	Miscellaneous Occupations		
	- Cabin Safety Specialist		16.14***
	- Cashier		10.01***
	- Desk Clerk		9.71***
	- Embalmer		27.37
	- Flight Follower		27.37
	- Laboratory Animal Caretaker I		24.31
	- Laboratory Animal Caretaker II		26.56
	- Marketing Analyst		21.54
	- Mortician - Pest Controller		27.37
_			16.07*** 14.38***
	Photofinishing WorkerRecycling Laborer		17.32
	- Recycling Specialist		23.38
	- Refuse Collector		16.40
	- Sales Clerk		10.63***
	- School Crossing Guard		17.96
	- Survey Party Chief		23.99
	- Surveying Aide		13.65***
	- Surveying Technician		17.73
	- Vending Machine Attendant		24.31
	- Vending Machine Repairer		30.96
	- Vending Machine Repairer Helper		24.31

***Workers in this classification may be entitled to a higher minimum wage under Executive Order 14026 (\$16.20 per hour). Please see the Note at the top of the wage determination for more information. Please also note that the minimum wage requirements of Executive Order 14026 are not currently being enforced as to contracts or contract-like instruments entered into with the federal government in connection with seasonal recreational services or seasonal recreational equipment rental for the general public on federal lands.

ALL OCCUPATIONS LISTED ABOVE RECEIVE THE FOLLOWING BENEFITS:

HEALTH & WELFARE: \$4.98 per hour, up to 40 hours per week, or \$199.20 per week or \$863.20 per month

HEALTH & WELFARE EO 13706: \$4.57 per hour, up to 40 hours per week, or \$182.80 per week, or \$792.13 per month*

*This rate is to be used only when compensating employees for performance on an SCA-covered contract also covered by EO 13706, Establishing Paid Sick Leave for Federal Contractors. A contractor may not receive credit toward its SCA obligations for any paid sick leave provided pursuant to EO 13706.

VACATION: 2 weeks paid vacation after 1 year of service with a contractor or successor; and 4 weeks after 3 years. Length of service includes the whole span of continuous service with the present contractor or successor, wherever employed, and with the predecessor contractors in the performance of similar work at the same Federal facility. (Reg. 29 CFR 4.173)

HOLIDAYS: A minimum of eleven paid holidays per year: New Year's Day, Martin Luther King Jr.'s Birthday, Washington's Birthday, Memorial Day, Juneteenth National Independence Day, Independence Day, Labor Day, Columbus Day, Veterans' Day, Thanksgiving Day, and Christmas Day. (A contractor may substitute for any of the named holidays another day off with pay in accordance with a plan communicated to the employees involved.) (See 29 CFR 4.174)

THE OCCUPATIONS WHICH HAVE NUMBERED FOOTNOTES IN PARENTHESES RECEIVE THE FOLLOWING:

1) COMPUTER EMPLOYEES: This wage determination does not apply to any individual employed in a bona fide executive, administrative, or professional capacity, as defined in 29 C.F.R. Part 541. (See 41 C.F.R. 6701(3)). Because most Computer Systems Analysts and Computer Programmers who are paid at least \$27.63 per hour (or at least \$684 per week if paid on a salary or fee basis) likely qualify as exempt computer professionals under 29 U.S.C. 213(a)(1) and 29 U.S.C. 213(a)(17), this wage determination may not include wage rates for all occupations within those job families. In such instances, a conformance will be necessary if there are nonexempt employees in these job families working on the contract.

Job titles vary widely and change quickly in the computer industry, and are not determinative of whether an employee is an exempt computer professional. To be exempt, computer employees who satisfy the compensation requirements must also have a primary duty that consists of:

- (1) The application of systems analysis techniques and procedures, including consulting with users, to determine hardware, software or system functional specifications;
- (2) The design, development, documentation, analysis, creation, testing or modification of computer systems or programs, including prototypes, based on and related to user or system design specifications;
- (3) The design, documentation, testing, creation or modification of computer programs related to machine operating systems; or
- (4) A combination of the aforementioned duties, the performance of which requires the same level of skills. (29 C.F.R. 541.400).

Any computer employee who meets the applicable compensation requirements and the above duties test qualifies as an exempt computer professional under both section 13(a)(1) and section 13(a)(17) of the Fair Labor Standards Act. (Field Assistance Bulletin No. 2006-3 (Dec. 14, 2006)). Accordingly, this wage determination will not apply to any exempt computer employee regardless of which of these two exemptions is utilized.

2) AIR TRAFFIC CONTROLLERS AND WEATHER OBSERVERS - NIGHT PAY & SUNDAY PAY: If you work at night as part of a regular tour of duty, you will earn a night differential and receive an additional 10% of basic pay for any hours worked between 6pm and 6am. If you are a full-time employed (40 hours a week) and Sunday is part of your regularly scheduled workweek, you are paid at your rate of basic pay plus a Sunday premium of 25% of your basic rate for each hour of Sunday work which is not overtime (i.e. occasional work on Sunday outside the normal tour of duty is considered overtime work).

** HAZARDOUS PAY DIFFERENTIAL **

An 8 percent differential is applicable to employees employed in a position that represents a high degree of hazard when working with or in close proximity to ordnance, explosives, and incendiary materials. This includes work such as screening, blending, dying, mixing, and pressing of sensitive ordnance, explosives, and pyrotechnic compositions such as lead azide, black powder and photoflash powder. All dry-house activities involving propellants or explosives. Demilitarization, modification, renovation, demolition, and maintenance operations on sensitive ordnance, explosives and incendiary materials. All operations involving re-grading and cleaning of artillery ranges.

A 4 percent differential is applicable to employees employed in a position that represents a low degree of hazard when working with, or in close proximity to ordnance, (or employees possibly adjacent to) explosives and incendiary materials which involves potential injury such as laceration of hands, face, or arms of the employee engaged in the operation, irritation of the skin, minor burns and the like; minimal damage to immediate or adjacent work area or equipment being used. All operations involving, unloading, storage, and hauling of ordnance, explosive, and incendiary ordnance material other than small arms ammunition. These differentials are only applicable to work that has been specifically designated by the agency for ordnance, explosives, and incendiary material differential pay.

** UNIFORM ALLOWANCE **

If employees are required to wear uniforms in the performance of this contract (either by the terms of the Government contract, by the employer, by the state or local law, etc.), the cost of furnishing such uniforms and maintaining (by laundering or dry cleaning) such uniforms is an expense that may not be borne by an employee where such cost reduces the hourly rate below that required by the wage determination. The Department of Labor will accept payment in accordance with the following standards as compliance:

The contractor or subcontractor is required to furnish all employees with an adequate number of uniforms without cost or to reimburse employees for the actual cost of the uniforms. In addition, where uniform cleaning and maintenance is made the responsibility of the employee, all contractors and subcontractors subject to this wage determination shall (in the absence of a bona fide collective bargaining agreement providing for a different amount, or the furnishing of contrary affirmative proof as to the actual cost), reimburse all employees for such cleaning and maintenance at a rate of \$3.35 per week (or \$.67 cents per day). However, in those instances where the uniforms furnished are made of ""wash and wear"" materials, may be routinely washed and dried with other personal garments, and do not require any special treatment such as dry cleaning, daily washing, or commercial laundering in order to meet the cleanliness or appearance standards set by the terms of the Government contract, by the contractor, by law, or by the nature of the work, there is no requirement that employees be reimbursed for uniform maintenance costs.

** SERVICE CONTRACT ACT DIRECTORY OF OCCUPATIONS **

The duties of employees under job titles listed are those described in the ""Service Contract Act Directory of Occupations"", Fifth Edition (Revision 1), dated September 2015, unless otherwise indicated.

** REQUEST FOR AUTHORIZATION OF ADDITIONAL CLASSIFICATION AND WAGE RATE, Standard Form 1444 (SF-1444) **

Conformance Process:

The contracting officer shall require that any class of service employee which is not listed herein and which is to be employed under the contract (i.e., the work to be performed is not performed by any classification listed in the wage determination), be classified by the contractor so as to provide a reasonable relationship (i.e., appropriate level of skill comparison) between such unlisted classifications and the classifications listed in the wage determination (See 29 CFR 4.6(b)(2)(i)). Such conforming procedures shall be initiated by the contractor prior to the performance of contract work by such unlisted class(es) of employees (See 29 CFR 4.6(b)(2)(ii)). The Wage and Hour Division shall make a final determination of conformed classification, wage rate, and/or fringe benefits which shall be paid to all employees performing in the classification from the first day of work on which contract work is performed by them in the classification. Failure to pay such unlisted employees the compensation agreed upon by the interested parties and/or fully determined by the Wage and Hour Division retroactive to the date such class of employees commenced contract work shall be a violation of the Act and this contract. (See 29 CFR 4.6(b)(2)(v)). When multiple wage determinations are included in a contract, a separate SF-1444 should be prepared for each wage determination to which a class(es) is to be conformed.

The process for preparing a conformance request is as follows:

- 1) When preparing the bid, the contractor identifies the need for a conformed occupation(s) and computes a proposed rate(s).
- 2) After contract award, the contractor prepares a written report listing in order the proposed classification title(s), a Federal grade equivalency (FGE) for each proposed classification(s), job description(s), and rationale for proposed wage rate(s), including information regarding the agreement or disagreement of the authorized representative of the employees involved, or where there is no authorized representative, the employees themselves. This report should be submitted to the contracting officer no later than 30 days after such unlisted class(es) of employees performs any contract work.
- 3) The contracting officer reviews the proposed action and promptly submits a report of the action, together with the agency's recommendations and pertinent information including the position of the contractor and the employees, to the U.S. Department of Labor, Wage and Hour Division, for review (See 29 CFR 4.6(b)(2)(ii)).
- 4) Within 30 days of receipt, the Wage and Hour Division approves, modifies, or disapproves the action via transmittal to the agency contracting officer, or notifies the contracting officer that additional time will be required to process the request.
- 5) The contracting officer transmits the Wage and Hour Division's decision to the contractor.
- 6) Each affected employee shall be furnished by the contractor with a written copy of such determination or it shall be posted as a part of the wage determination (See 29 CFR 4.6(b)(2)(iii)).

Information required by the Regulations must be submitted on SF-1444 or bond paper.

When preparing a conformance request, the ""Service Contract Act Directory of Occupations"" should be used to compare job definitions to ensure that duties requested are not performed by a classification already listed in the wage determination. Remember, it is not the job title, but the required tasks that determine whether a class is included in an established wage determination. Conformances may not be used to artificially split, combine, or subdivide classifications listed in the wage determination (See 29 CFR 4.152(c)(1))."

AFFIDAVIT re CONTINGENT FEES

CITY OF)
) ss. ISLAND OF GUAM)
[state name of affiant signing below], being first duly
sworn, deposes and says that:
1. The name of the offering company or individual is [state name of company]
2. As a part of the offering company's bid or proposal, to the best of my knowledge, the offering company has not retained any person or agency on a percentage, commission, or other contingent arrangement to secure this contract. This statement is made pursuant to 2 GAR Division 4 11108(f).
3. As a part of the offering company's bid or proposal, to the best of my knowledge, the offering company has not retained a person to solicit or secure a contract with the government of Guam upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, except for retention of bona fide employees or bona fide established commercial selling agencies for the purpose of securing business. This statement is made pursuant to 2 GAR Division 4 11108(h).
4. I make these statements on behalf of myself as a representative of the offeror, and on behalf of the offeror's officers, representatives, agents, subcontractors, and employees.
Signature of one of the following:
Offeror, if the offeror is an individual; Partner, if the offeror is a partnership; Officer, if the offeror is a corporation.
Subscribed and sworn to before me
this day of, 201
NOTARY PUBLIC My commission expires,

AG Procurement Form 007 (Jul. 15, 2010)

CERTIFICATION OF NON-EMPLOYMENT OF CONVICTED SEXUAL OFFENDERS

Pursuant to Guam Public Law 28-24, as amended by Guam Public Law 28-98, if a contract for services is awarded to an Offeror, then the service provider must warrant that no person in its employment who has been convicted of a sex offense under the provisions of Chapter 25 of Title 9 of the Guam Code Annotated or of an offense defined in Article 2 of Chapter 28 of Title 9 of the Guam Code Annotated, or who has been convicted in any other jurisdiction of an offense with the same elements as heretofore defined, or who is listed on the Sex Offender Registry, shall provide services on behalf of the service provider while on government of Guam property, with the exception of public highways. If any employee of a service provider is providing services on government property and is convicted subsequent to an award of a contract, then the service provider warrants that it will notify the GSWA of the conviction within twenty-four hours of the conviction and will immediately remove such convicted person from providing services on government of Guam property. If the service provider is found to be in violation of any of the provisions of this paragraph, then the GSWA will give notice to the service provider to take corrective action. The service provider shall take corrective action within twenty-four hours of notice from the GSWA, and the service provider shall notify the GSWA when action has been taken. If the service provider fails to take corrective steps within twenty-four hours of notice from the GSWA, then the GSWA in its sole discretion may suspend temporarily any contract for services.

Ι,	being a duly authorized representative of the Offeror,
(print name)	
e i	ats described above, have ensured that the Proposal as submitted s, and certify that if awarded the contract, the Offeror will follow
	(Company Name)
(Title)	
(Signature)	(Date)



(MAJOR OFFICER OF SURETY)

(TITLE)

GUAM SOLID WASTE AUTHORITY 546 NORTH MARINE CORPS DRIVE TAMUNING, GUAM 96913 TEL: (671) 646-3111 | FAX: (671) 649-3777 WWW.GUAMSOLIDWASTEAUTHORITY.COM

BID BOND

NO		
KNOW ALL MEN BY THESE PRESENTS that		, as Principal
Hereinafter called the Principal, and (Bonding Company), _		
A duly admitted insurer under the laws of the Territory of G	uam, Surety, hereinafter call	ed the Surety are held
firmly bound unto the Territory of Guam for the sum of		
Dollars (\$_		_), for Payment of
which sum will and truly to be made, the said Principal	and the said Surety bind	ourselves, our heirs,
executors, administrators, successors and assigns, joi	ntly and severally, firmly b	y these presents.
WHEREAS, the Principal has submitted a bid for (id	dentify project by number	and brief description)
NOW TUEDEFORE if the Territory of Overs about		al and the Drive size of the All
NOW, THEREFORE, if the Territory of Guam shall a	·	•
enter into a contract with the Territory of Guam in accordan or bonds as may be specified in bidding or Contract Docum		
performance of such Contract and for the prompt payment	•	•
thereof, or in the event of the failure of the Principal to ente		•
Principal shall pay to the Territory of Guam the difference n	_	
amounts specified in said bid and such larger amount for w	•	
contract with another part to perform work covered by said	•	, ,
in the Invitation for Bids then this obligation shall be null and		•
Signed and sealed this	_ day of	20
	(PRINCIPAL)	(SEAL)
(WITNESS)		
(TITLE)		

SEE INSTRUCTIONS IN BACK PAGE FOR SUPPORTING DOCUMENTS REQUIRED.

(MAJOR OFFICER OF SURETY)

(TITLE)

(RESIDENTIAL GENERAL AGENT)

INSTRUCTION TO PROVIDERS:

NOTICE to all Insurance and Bonding Institutions:

The Bond requires the signatures of the Vendor, two (2) major Officers of the Surety and Resident General Agent, if the Surety is a foreigner or alien surety.

When the form is submitted to the Guam Solid Waste Authority, it should be accompanied with copies of the following:

- 1. Current Certificate of Authority to do business on Guam Issued by the Department of Revenue and Taxation.
- 2. Power Of Attorney issued by the Surety to the Resident General Agent.
- 3. Power of Attorney issued by two (2) major officers of the Surety to whoever is signing on their behalf.

Bonds, submitted as Bid Guarantee, without signatures and supporting documents are invalid and Bids will be rejected.

GOVERNMENT OF GUAM

GENERAL TERMS AND CONDITIONS

SEALED BID SOLICITATION AND AWARD

ONLY THOSE BOXES CHECKED BELOW ARE APPLICABLE TO THIS BID

[x] 1. AUTHORITY:

This solicitation is issued subject to all the provisions of the Guam Procurement Act (5GCA, Chapter 5) and the Guam Procurement Regulations (copies of both are available at the Office of the Complier of laws, Department of Law, copies available for inspection at the Guam Solid Waste Authority). It requires all parties involved in the Preparation, negotiation, performance, or administration of contracts to act in good faith.

- [x] 2. **GENERAL INTENTION:** Unless otherwise specified, these General Terms and conditions are intended for the bidder to provide the Government of Guam (Government) with specified services or with materials, supplies or equipment completely assembled and ready for use.
- [x] 3. **TAXES:** Bidders are cautioned that they are subject to Guam Income Taxes as well as all other taxes on Guam transactions. Specific information on taxes may be obtained from the Director of Revenue and Taxation.
- [x] 4. **LICENSING:** Bidders are cautioned that the Government will not consider for award any offer submitted by a bidder who has not complied with the Guam Licensing law. Specific information on licenses may be obtained from the Director of Revenue and Taxation.
- [x] 5. **LOCAL PROCUREMENT PREFERENCE:** All procurement of supplies and services where possible, will be made from among businesses licensed to do business on Guam in accordance with section 5008 of the Guam Procurement Act (5GCA, Chapter 5) and Section 1104 of the Guam Procurement Regulations.
- [x] 6. **COMPLIANCE WITH SPECIFICATIONS AND OTHER SOLICITATION REQUIREMENTS:** Bidders shall comply with all specifications and other requirements of the Solicitation.
- [] 7. "ALL OR NONE" BIDS: Unless otherwise allowed under this Solicitation, "all or none" bids may be deemed to be non-responsive. If the bid is so limited, the Government may reject part of such proposal and award on the remainder.
 - **NOTE:** By checking this item, The Government is requesting all of the bid items to be items to be bided or none at all. **The Government will not award on an itemized basis.** Reference 3-101.06 of the Guam Procurement Regulations.
- [x] 8. **INDEPENDENT PRICE DETERMINATION:** The bidder, upon signing the Invitation for Bid, certifies that the prices in his bid were derived without collusion, and acknowledges that collusion and anti-competitive practices are prohibited by law. Violations will be subject to the provision of Section 5651 of that of the Guam Procurement Act. Other existing civil, criminal or administrative remedies are not impaired and may be in addition to the remedies in Section 5651 of the Government code. By submitting a bid, the bidder certifies that its price was independently arrived at without collusion.
- [x] 9. **BIDDER'S PRICE**: The Government will consider not more than two (2) (basic and Alternate) item prices and the bidder shall explain fully each price if supplies, materials, equipment, and/or specified services offered comply with specifications and the products origin. Where basic or alternate bid meets the minimum required specification, cost and other factors will be considered. Failure to explain this requirement will result in rejection of the bid.
- [x] 10. **BID ENVELOPE:** Envelope shall be sealed and marked with the Bidder's name, Bid number, time, date and place of Bid opening.
- [x] 11. BID GUARANTEE REQUIREMENT: Bidder is required to submit a Bid Guarantee Bond or standby irrevocable Letter of Credit or Certified Check or Cashier's Check in the same bid envelope to be held by the Government pending delivery of items being procured. The Bid Guarantee Bond, Letter of Credit, Certified Check or cashier's check must be issued by any local surety or banking institution licensed to do business on Guam and made payable to the Guam Solid Waste Authority in the amount of fifteen percent (15%) of the total bid offer. The Bid Bond must be submitted on Government Standard Form BB-1 (copy enclosed). Personal Checks will not be accepted as Bid Guarantee. If a successful Bidder (contractor) withdraws from the bid or fails to enter into contract within the prescribed time, such Bid guarantee will be forfeited to the Government of Guam. Bids will be disqualified if not accompanied by Bid Bond, Letter of Credit, Certified Check or Cashier's Check. Bidder must include in his/her bid, valid copies of a Power of Attorney from the Surety and a Certificate of Authority from the Government of Guam to show proof that the surety company named on the bond instrument is authorized by the Government of Guam to be qualified to do business on Guam. For detailed information on bonding matters, contact the Department of Revenue and Taxation. Failure to submit a valid Power of Attorney and Certificate of Authority on the surety is cause for rejection of bid. (GPR Section 3109(c)(3)) Pursuant to 5 GCA Section 5212, all competitive sealed bidding for the procurement of supplies or services exceeding \$25,000 must be accompanied by bid security in the amount of 15% of the total bid price.
- [x] 12. **PERFORMANCE GUARANTEE:** Bidders, who are awarded a contract under this solicitation, guarantee that goods will be delivered or required services performed within the time specified. Failure to perform the contract in a satisfactory manner may be cause for suspension or debarment from doing business with the Government and for enforcement of Section 23 of these General terms and Conditions. In addition, the Government will hold the Vendor liable and will enforce the requirements as set forth in Section 41 of these General Terms and Conditions.
- [x] 13. **SURETY BONDS:** Bid and Performance Bonds coverage must be signed or countersigned in Guam by a foreign or alien surety's resident general agent. The Surety must be an Insurance Company, authorized by the Government of Guam and qualified to do business in Guam. Bids will be disqualified if the Surety Company does not have a valid Certificate of Authority from the Government of Guam to conduct business in Guam.

- [x] 14. **COMPETENCY OF BIDDERS:** Bids will be considered only from the such bidders who, in the opinion of the Government, can show evidence of their ability, experience, equipment, and facilities to render satisfactory service.
- [x] 15. **DETERMINATION OF RESPONSIBILITY OF BIDDERS:** The Guam Solid Waste Authority reserves the right for securing from bidders information to determine whether or not they are responsible and to inspect plant site, place of business; and supplies and services as necessary to determine their responsibility in accordance with Section 15 of these General Terms and Conditions (GPR Section 3-401).
- [x] 16. **STANDARD FOR DETERMINATION OF LOWEST RESPONSIBLE BIDDER:** In determining the lowest responsible offer, the Guam Solid Waste Authority shall be guided by the following:
 - a) Price of items offered.
 - b) The ability, capacity, and skill of the Bidder to perform.
 - c) Whether the bidder can perform promptly within the specified time.
 - d) The quality of performance of the Bidder with regards to awards previously made to him.
 - e) The previous and existing compliance by the Bidder with laws and regulations relative to procurement.
 - f) The sufficiency of the financial resources and ability of the Bidder to perform.
 - g) The ability of the bidder to provide future maintenance and services for the subject of the award.
 - h) The compliance with all of the conditions to the Solicitation.
- [x] 17. **TIE BIDS:** If the bids are for the same unit price or total amount in the whole or in part, the Chief Procurement Officer will determine award based on 2 GAR, Div. 4, § 3109(o) (2) or to reject all such bids.
- [x] 18. **BRAND NAMES:** Any reference in the Solicitation to manufacturer's Brand Names and number is due to lack of a satisfactory specification of commodity description. Such preference is intended to be descriptive, but not restrictive and for the sole purpose of indicating to prospective bidders a description of the article or services that will be satisfactory. Bids on comparable items will be considered provided the bidder clearly states in his bid the exact articles he is offering and how it differs from the original specification.
- [x] 19. **CONTRACT AWARD:** In accordance with 5 GCA § 5211(g) and 2 GARR § 3109(n), after bids are publicly opened, an award will be made with reasonable promptness by written notice to the lowest responsible and responsive bidder whose bid meets the requirements and criteria set forth in the Invitation for Bids. The award will be made by
 - [] Purchase Order
 - [x] Standard Form Contract
- [x] 20. **DESCRIPTIVE LITERATURE:** Descriptive literature(s) as specified in this solicitation must be furnished as a part of the bid and must be received at the date and time set for the opening Bids. The literature furnished must clearly identify the item(s) in the Bid. The descriptive literature is required to establish for the purpose of evaluation and award details of the product(s) the bidder proposes to furnish including design, materials, components, performance characteristics, methods of manufacture, construction, assembly or other characteristics which are considered appropriate. Rejection of the Bid will be required if the descriptive literature(s) do not show that the product(s) offered conform(s) to the specifications and other requirements of this solicitation. Failure to furnish the descriptive literature(s) by the time specified in the Solicitation will require rejection of the bid.
- [] 21. **SAMPLES:** Sample(s) of the item(s) specified in this solicitation must be furnished as a part of the bid and must be received at the date and time set for opening Bids. The sample(s) should represent exactly what the bidder proposes to furnish and will be used to determine if the item(s) offered complies with the specifications. Rejection of the Bid will be required if the sample(s) do not show that the product(s) offered conform(s) to the specifications and other requirements of this solicitation. Failure to furnish the sample(s) by the time specified in the Solicitation will require rejection of the Bid.
- [] 22. **LABORATORY TEST:** Successful bidder is required to accompany delivery of his good with a Laboratory Test Report indicating that the product he is furnishing the Government meets with the specifications. This report is on the bidder's account and must be from a certified Testing Association.
- [X] 23. AWARD, CANCELLATION, & REJECTION: Award shall be made to the lowest responsible bidder, whose bid is determined to be the most advantageous to the Government, taking into consideration the evaluation factors set forth in this solicitation. No other factors or criteria shall be used in the evaluation. The right is reserved as the interest of the Government may require to waive any minor irregularity in bid received. The Guam Solid Waste Authority shall have the authority to award, cancel, or reject bids, in whole or in part for any one or more items if he determines it is in the public interest. In case of an error in the extension of prices, unit price will govern. It is the policy of the Government to award contracts to qualified local bidders. The Government reserves the right to increase or decrease the quantity of the items for award and make additional awards for the same type of items and the vendor agrees to such modifications and additional awards based on the bid prices for a period of thirty (30) days after original award. No award shall be made under this solicitation which shall require advance payment or irrevocable letter of credit from the government (GPR Section 3-202.14.1)
- [] 24. **MARKING:** Each outside container shall be marked with the Purchase Order number, item number, brief item description and quantity. Letter marking shall not be less than 3/4" In height.
- [x] 25. **SCHEDULE FOR DELIVERY:** Successful bidder shall notify the Guam Solid Waste Authority, Telephone No. 647-4312 at least twenty-four (24) hours before delivery of any item under this solicitation.
- [] 26. **BILL OF SALE:** Successful supplier shall render Bills of Sale for each item delivered under this contract. Failure to comply with this requirement will result in rejection of delivery. The Bill of Sale must accompany the items delivered but will not be considered as an invoice for payment. Supplier shall bill the Government in accordance with billing instructions as indicated on the Purchase Order.
- [] 27. **MANUFACTURER'S CERTIFICATE:** Successful bidder is required, upon delivery of any item under this solicitation, to furnish a certificate from the manufacturer indicating that the goods meet the specifications. Failure to comply with this request will result in rejection of delivery or payment. Supplier shall bill the Government in accordance with billing instructions as indicated on the Purchase Order.
- [x] 28. **INSPECTION:** All supplies, materials, equipment, or services delivered under this contract shall be subject to the inspection and/or test conducted by the Government at destination. If in any case the supplies, materials, equipment, or services are found to be

defective in material, workmanship, performance, or otherwise do not conform with the specifications, the Government shall have the right to reject the items or require that they be corrected. The number of days required for correction will be determined by the Government.

[] 29. **MOTOR VEHICLE SAFETY REQUIREMENTS:** The Government will only consider Bids on motor vehicles which comply with the requirements of the National Traffic and Motor Vehicle safety Act of 1966 (Public Law 89-563) and Clean Air Act as amended (Public Law 88-206), that are applicable to Guam. Bidders shall state if the equipment offered comply with these aforementioned Federal Laws.

[] 30. **SAFETY INSPECTIONS:** All motor vehicles delivered under this contract must pass the Government of Guam Vehicle Inspection before delivery at destination.

[x] 31. **GUARANTEE**:

a) Guarantee of Vehicle Type of Equipment

The successful bidder shall guarantee vehicular type of equipment offered against defective parts, workmanship, and performance, for a period of not less than one (1) year after date of receipt of equipment. Bidder shall also provide service to the equipment for at least one (1) year. Service to be provided shall include, but will not be limited to tune ups (change of spark plugs, contact points and condensers) and lubrication (change of engine and transmission oil). All parts and labor shall be at the expense of the bidder. All parts found defective and not caused by misuse, negligence or accident within the guarantee period shall be repaired, replaced, or adjusted within six (6) working days after notice from the Government and without cost to the Government. Vehicular type of equipment as used in this context shall include equipment used for transportation as differentiated from tractors, backhoes, etc.

b) Guarantee of Other Type of Equipment:

The successful bidder shall guarantee all other types of equipment offered, except those mentioned in 31a, above, against defective parts, workmanship, and performance for a period of not less than three (3) months after date of receipt of equipment. Bidder shall also provide service to the equipment for at least three (3) months. All parts found within that period shall be repaired or replaced by the Contractor without cost to the Government. Repairs, adjustments or replacements of defective parts shall be completed by the contractor within six (6) working days after notice from the Government.

- (c) Compliance with this Section is a condition of this Bid.
- [x] 32. **REPRESENTATION REGARDING ETHICS IN PUBLIC PROCUREMENT:** The bidder or contractor represents that it has not knowingly influenced and promises that will not knowingly influence a Government employee to breach any of the ethical standards and represents that it has not violated, is not violating, and promises that it will not violate the prohibition against gratuities and kickbacks set forth on Chapter 11 (Ethics in Public Contracting) of the Guam Procurement Act and in Chapter 11 of the Guam Procurement Regulations.
- [x] 33. **REPRESENTATION REGARDING CONTINGENT FEES:** The contractor represents that it has not retained a person to solicit or secure a Government contract upon and agreement or understanding for a commission, percentage, brokerage, or contingent fee, except for retention of bona fide employees of bona fide established commercial selling agencies for the purpose of securing business (GPR Section 11-207).
- [x] 34. **EQUAL EMPLOYMENT OPPORTUNITY:** Contractors shall not discriminate against any employee or applicant of employment because of race, color, religion, se, or national origin. The contractor will take affirmative action to ensure that employees are treated equally during employment without regards to their race, color, religion, sex, or national origin.
- [x] 35. **COMPLIANCE WITH LAWS:** Bidders awarded a contract under this Solicitation shall comply with the applicable standard, provisions, and stipulations of all pertinent Federal and/or local laws, rules, and regulations relative to the performance of this contract and the furnishing of goods.
- [] 36. **CHANGE ORDER:** Any order issued relative to awards made under this solicitation will be subject to and in accordance with the provisions of Section 6-101-03.1 of the Guam Procurement Regulations.
- [x] 37. **STOP WORK ORDER:** Any stop work order issued relative to awards made under this solicitation will be subject to and in accordance with the provisions of Section 6-101-04.1 of the Guam Procurement Regulations.
- [x] 38. CANCELLATION OF INVITATION FOR BIDS OR REQUEST FOR PROPOSALS: Any Invitation for Bid may be cancelled, or any or all bids or proposals may be rejected in whole or in part as may be specified in the solicitation, when it is in the best interests of the Territory in accordance with regulations promulgated by the Policy Office. The reasons therefor shall be made part of the contract file.
- [x] 39. **TIME FOR COMPLETION:** It is hereby understood and mutually agreed by and between the contractor and the Government that the time for delivery to final destination or the timely performance of certain services is an essential condition of this contract. If the contractor refuses or fails to perform any of the provisions of this contract within the time specified in the Purchase Order (from the date Purchase Order is acknowledged by the vendor), then the contractor is in default. Defaults will be treated subject to and in accordance with the provisions of Section 6-101-08 of the Guam Procurement Regulations.
- [x] 40. **JUSTIFICATION OF DELAY:** Bidders who are awarded contracts under this Solicitation, guarantee that the goods will be delivered to their destination or required services rendered within the time specified. If the bidder is not able to meet the specified delivery date, he is required to notify the Guam Solid Waste Authority of such delay. Notification shall be in writing and shall be received by the Guam Solid Waste Authority at least twenty-four (24) hours before the specified delivery date. Notification of delay shall include an explanation of the causes and reasons for the delay including statement(s) from supplier or shipping company causing the delay. The Government reserves the right to reject delay justification if, in the opinion of the Chief Procurement Officer, such justification is not adequate.
- [x] 41. **SERVICE-DISABLED VETERAN OWNED BUSINESS PREFERENCE:** Bidding is subject to the policy in favor of Service-Disabled Veteran Owned Business as defined in 5 GCA sections 5011 and 5012.
- [x] 42. **LIQUIDATED DAMAGES:** When the contractor is given notice of delay or nonperformance as specified in Paragraph 1 (Default) of the Termination for Default Clause of this contract and fails to cure in the time specified, the contractor shall be liable for

damages for delay in the amount of one-fourth of one percent (I%) of outstanding order per calendar day from date set for cure until either the territory reasonable obtains similar supplies or services if the contractor is terminated for default, or until the contractor provides the supplies or services if the contractor is not terminated for default. To the extent that the contractor's delay or non-performance is excused under Paragraph 15 (Excuse for Nonperformance or Delayed Performance) of the Termination for Default Clause of this contract, liquidated damages shall not be due the territory. The contractor remains liable for damages caused other than by delay. 2 GAR, Div. 4 §6101(d).

- [x] 43. **PHYSICAL LIABILITY:** If it becomes necessary for the Vendor, either as principal, agent or employee, to enter upon the premises or property of the Government of Guam in order to construct, erect, inspect, make delivery or remove property hereunder, the Vendor hereby covenants and agrees to take, use, provide and make all proper, necessary and sufficient precautions, safeguards and protections against occurrence of any accidents, injuries or damages to any person or property during the progress of the work herein covered, and to be responsible for, and to indemnify and save harmless the Government of Guam from the payment of all sums of money by reason of all or any such accidents, injuries, or damages that may occur upon or about such work, and fines, penalties and loss incurred for or by reasons of the violations of any territorial ordinance, regulations, or the laws of Guam or the United States, while the work is in progress. Contractor will carry insurance to indemnify the Government of Guam against any claim for loss, damage or injury to property or persons arising out of the performance of the Contractor or is employees and agents of the services covered by the contract and the use, misuse or failure of any equipment used by the contractor or his employees or agents, and shall provide certificates of such insurance to the Government of Guam when required.
- [x] 44. Contract will be cancelled if funds not appropriated or insufficient, and that government will timely inform contractor. 2 GAR, Div.4 §3121(e) (1) (C) and 2 GAR, Div. 4 §3121 (e)(1)(D).
- [x] 45. **CONTACT FOR CONTRACT ADMINISTRATION:** If your firm receives a contract as a result of this Solicitation, Please designate a person whom we may contact for prompt administration.

Name:	Title:
Address:	Telephone:

GSWA PROCUREMENT RECORD Page 34 GOVERNMENT OF GUAM

SEALED BID SOLICITATION INSTRUCTIONS

BID FORMS: Each bidder shall be provided with two (2) sets of Solicitation forms.
 Additional copies may be provided upon request. Bidders requesting additional copies of said forms will be charged per page in accordance with Section 6114 of the Government Code of Guam. All payments for this purpose shall be by cash, certified check or money order and shall be made payable to the Guam Solid Waste Authority.

2. PREPARATIONS OF BIDS:

- a. Bidders are required to examine the drawings, specifications, schedule, and all instructions. Failure to do so will be at bidder's risk.
- b. Each bidder shall furnish the information required by the Solicitation. The bidder shall sign the solicitation and print or type his name on the Schedule. Erasures or other changes must be initialed by the person signing the bid. Bids signed by an agent are to be accompanied by evidence of this authority unless such evidence has been previously furnished to the issuing office.
- c. Unit price for each unit offered shall be shown and such price shall include packing unless otherwise specified. A total shall be entered in the amount column of the Schedule for each item offered. In case of discrepancies between a unit price and extended price, the unit price will be presumed to be correct.
- d. Bids for supplies or services other than those specified will not be considered. Time, if stated as a number of days, means calendar days and will include Saturdays, Sundays, and holidays beginning the day after the issuance of a Notice to Proceed. Time stated ending on Saturday, Sunday or Government of Guam legal holiday will end at the close of the next business day.
- e. No Entitlement to Preparation Costs the bidder expressly waives any right it may have against the government for any expenses incurred in connection with the preparation of its bid.
- 3. EXPLANATION TO BIDDERS: Any explanation desired by a bidder regarding the meaning or interpretation of the Solicitation, drawings, specifications, etc., must be submitted in writing and with sufficient time allowed for a written reply to reach all bidders before the submission of their bids. Oral explanations or instructions given before the award of the contract will not be binding. Any information given to a prospective bidder concerning a Solicitation will be furnished to all prospective bidders in writing as an amendment to the Solicitation if such information would be prejudicial to uninformed bidders.
- 4. **ACKNOWLEDGEMENT OF AMENDMENTS TO SOLICITATIONS**: Receipt of an amendment to a Solicitation by a bidder must be acknowledged by signing an acknowledgement of receipt of the amendment. Such acknowledgement must be received prior to the hour and date specified for receipt of bids.

5. SUBMISSION OF BIDS:

- a. Bids and modifications thereof shall be enclosed in sealed envelopes and addressed to the office specified in the Solicitation. The bidder shall show the hour and date specified in the Solicitation for receipt, the Solicitation number, and the name and address of the bidder on the face of the envelope.
- b. Electronic bids will not be considered unless authorized by the Solicitation. However, bids may be modified or withdrawn by written or electronic notice, provided such notice is received prior to the hour and date specified for receipt (see paragraph 6 of these instructions).
- c. Samples of items, when required, must be submitted within the time specified, unless otherwise specified by the Government, at no expense to the Government. If not destroyed by testing, samples will be returned at bidder's request and expense, unless otherwise specified by the Solicitation.
- d. Samples or descriptive literature should not be submitted unless it is required by this solicitation. Regardless of any attempt by a bidder to condition the bid, unsolicited samples or descriptive literature will not be examined or tested at the bidder's risk, and will not be deemed to vary any of the provisions of this Solicitation.
- 6. **FAILURE TO SUBMIT BID:** If no bid is to be submitted, do not return the solicitation documents unless otherwise specified. A letter or postcard shall be sent to the issuing office advising whether future Solicitations for the type of supplies or services covered by this Solicitation are desired.

7. LATE BID, LATE WITHDRAWALS, AND LATE MODIFICATIONS:

- a. Definition: Any bid received after the time and date set for receipt of bids is late. Any withdrawal or modification of a bid received after the time and date set for opening of bids at the place designated for opening is late (Guam Procurement Regulations Section 3-202)
- b. Treatment: No late bid, late modification, or late withdrawal will be considered unless received before contract award, and the bid, modification, or withdrawal would have been timely but for the action or inaction of territorial personnel directly serving the procurement activity.
- 9. **GOVERNMENT FURNISHED PROPERTY:** No material, labor or facilities will be furnished by the Government unless otherwise provided for in the Solicitation.
- 10. **CANCELLATION OR REVISION OF BID:** This IFB may be canceled, or any and all bids may be rejected in whole or in part as may be pursuant to GAR § 3115, when it is in the best interest of the Government. Additionally, in accordance with GAR § 9105, if prior to award it is determined that a solicitation or proposed award of a contract in in violation of the law, then the solicitation or proposed award shall be canceled or revised to comply with the law. The reasons therefore shall be made part of the contract file.
- 11. **REJECTION OF BIDS:** Any bidder submitted in response to this IFB may be rejected in whole or in part with it is in the best interest of the Government, in accordance with GAR § 3115(e). Reasons for rejecting bids include but are not limited to: (1) The business that submitted the bid is non-responsive as determined under GAR § 3116; (2) The bid ultimately fails to meet the announced requirements of the Government in some material respect; or (3) The bid price is clearly unreasonable. Upon request, successful bidders shall be advised of the reasons for rejection.

When bids are rejected, or a solicitation canceled after bids are received, the bids which have been opened shall be retained in the procurement file, or if unopened, returned to the bidders upon request, or otherwise disposed of pursuant to GAR § 3115(g).

- 12. **TERMINATION OF CONTRACT:** 1. TERMINATION OF CONVENIENCE PURSUANT TO GAR § 6101(10)
 - (a) Termination: The Government, when the interest of the Government so requires, may terminate this contract in whole or in part, for the Convenience of the Government. The Purchasing Agency shall give written notice of the termination to the contractor specifying the part of the contract terminated when termination becomes effective.
 - (b) Contractor's Obligations: The contractor shall incur no further obligations in connection with the terminated work and on the date set in the notice of termination the contractor will stop work to the extent specified.
 - (c) Condition of Termination: Notwithstanding the foregoing, the cessation of services for people requiring services shall be contingent upon the Government obtaining a substitute provider for the services and the contractor shall cooperate by taking all reasonable and necessary steps to ensure that services are not interrupted and transferred to the succeeding provider. The contractor shall issue a written memorandum detailing the status of the contractor's ongoing services initiating termination or any fault of either party.
- 13. SELLER'S INVOICES: Invoices shall be prepared and submitted in quadruplicate (one copy shall be marked "original") unless otherwise specified. Invoices shall be "certified true and correct" and shall contain the following information: Contract and order number (if any), item numbers, description of supplies or services, sizes, quantities, unit prices, and extended total. Bill of lading number and weight of shipment will be shown for shipments made on Government bills of lading.
- 14. **RECEIPT, OPENING AND RECORDING OF BIDS:** Bids and modifications shall be publicly opened in the presence of one or more witnesses, at the time, date, and place designated in the Invitation for Bids. The name of each bidder, the bid price, and such other information as is deemed appropriate by the Procurement Officer, shall be read aloud and recorded, or otherwise made available. The names and addresses of required witnesses shall be recorded at the opening. The opened bids shall be available for public inspection except to the extent the bidder designates trade secrets or other proprietary data to be confidential as set forth in accordance with Section 12, below. Material so designated shall accompany the bid and shall be readily separable from the bid in order to facilitate public inspection of the non-confidential portion of the bid. Prices, makes and models or catalogue numbers of the items offered, deliveries, and terms of payment shall be publicly available at the time of bid opening regardless of any designation to the contrary (Guam Procurement Regulations Section 3-202.12.2).
- 15. **CONFIDENTIAL DATA**: The Procurement Officer shall examine the bids to determine the validity of any requests for nondisclosure of trade secrets and other proprietary data.
- 16. **PROHIBITION AGAINST GRATUITIES AND KICKBACKS:** With respect to this procurement and any other contract that bidder may have or wish to enter into with the Government, the bidder represents that he/she has not violated, is not violating, and promises that he will not violate the prohibition against gratuities and kickbacks set forth in the Guam Procurement Regulations GAR § 11170(e)
- 17. **STATEMENT OF QUALIFICATIONS** The ability capacity and skill of the Bidders to perform; Whether the bidder can perform promptly or within the specified time; The quality of performance of the Bidder with regards to awards previously made to him; The sufficiency of the financial resources and ability of the bidders to perform; And the compliance with all of the conditions to the solicitation.

18. WAGE AND BENEFIT COMPLIANCE-CONTRACTORS PROVIDING SERVICES:

- (a) Contractor with regard to all person its employs whose purpose in whole or in part is the direct delivery of services contracted for with the Government of Guam in this procurement, shall pay such employees in accordance with the Wage Determination for Guam and the Northern Marianas Islands issued and promulgated by the U.S. Department of Labor for such labor as is employed in the direct deliverance of deliverables to the government of Guam. 5 GCA § 5801 Contractor shall be responsible for flowing down this obligation to its subcontractors.
- (b) The Wage Determination most recently issued by the U.S. Department of Labor at the time this Agreement was awarded to Contractor shall be used to determine wages and benefits which shall be paid to employees pursuant to this clause. 5 GCA § 5801
- (c) Should any contract contain a renewal clause, then at the time of renewal adjustments there shall be stipulations contained in that contract for applying the Wage Determination, so that the Wage Determination promulgated by the U.S. Department of Labor on a date most recent to the renewal date shall apply. 5 GCA § 5801
- (d) In addition to the Wage Determination detailed above, health and similar benefits for employees having a minimum value as detailed in the wage Determination issued and promulgated by the U.S. Department of labor shall apply. Contractor shall pay a minimum of ten (10) paid holidays per annum per employee. 5 GCA § 5802
- (e) Any violation of Contractor or its subcontractors obligations of this section shall be investigated by the Guam Department of Labor and may include a monetary penalty assessment by the Guam Department of Labor of no less that One Hundred Dollars (\$100.00) per day, and no more than One Thousand Dollars (\$1,000.00) per day, until such time as a violation has been corrected, as well as the payment of all black wages and benefits due. 5 GCA § 5803
- (f) In addition to any and all other breach of contract actions the Government of Guam may have under this procurement, in the event there is a violation in the process set forth in subsection (e) above, Contractor may be placed on probationary status by the Chief Procurement Officer of the General Service Agency, or its successor, for a period of one (1) year.

During the probationary status, a Contractor shall not be awarded any contract by any instrumentality of the Government of Guam. A Contractor who has been on probationary status, or has been assessed a monetary

- penalty pursuant to 5 GCA Article 13 Title 5 may appeal such penalty of probationary status to the Superior Court of Guam. 5 GCA § 5804
- (g) Contractor along with all proposed offerors and submitter under this procurement were required to submit a Declaration of Compliance with Wage Determination laws as part of this procurement with a copy of the most recent Wage Determination for Guam and the Northern Marianas Islands issued and promulgated by the U.S. Department of Labor. 5 GCA § 5805
- (h) The applicable USDOL Wage Determination Rate Revision (as defined by subsections (b) and (c) is to this Agreement. Contractor agrees to provide upon written request by the Government of Guam written certification of its compliance with its obligations as part of each invoice, along with the names of any employees, their positions, and detailed wage and benefits paid in keeping with this section. Additionally upon request by Government of Guam the Contractor shall submit source documents as to those individuals provide direct services in part or whole under this Agreement and its payments to them of such wages and benefits.
- 19. **ETHICAL STANDARDS:** With respect to this procurement and any other contract that the Contractor may have, or wish to enter into, with any Government of Guam agency, the Contractor represents that it has not knowingly influenced, and promises that it will not knowingly influence, any government employee to breach any of the ethical standards set forth in the Guam Procurement Law and in any of the Guam Procurement Regulations. GAR § 11103 (b).
- 20. **PROHIBITION AGAINST CONTINGENT FEES:** The Contractor represents that he has not retained any person or agency upon an Agreement or Understanding for a percentage, commission, brokerage, or other contingent arrangement, except for retention of bona fide employees or bona fide established commercial selling agencies, to solicit or secure this Agreement or any contract with the government of Guam or its agencies. GAR § 11108(f)
- 21. **CONTRACTOR'S WARRANTY AS TO EMPLOYEES AND SEX OFFENSES.** *Reference 5 GCA 5253(b):* Contractor warrants that no person providing services on behalf of the Contractor has been convicted of a sex offense under the provisions of Chapter 25 of Title 9 of GCA or an offense as defined in Article 2 of Chapter 28, Title 9 GCA, or an offense in another jurisdiction with, at a minimum, the same elements as such offenses, or who is listed on the Sex Offender Registry.

Contractor warrants that if any person providing services on behalf of Contractor is convicted of a sex offense under the provisions of Chapter 25 of Title 9 GCA, or an offense as defined in Article 2 of Chapter 28, Title 9 GCA, or an offense in another jurisdiction with, at a minimum, the same elements as such offenses, or who is listed on the Sex Offender Registry, that such person will be immediately removed from working at said agency and that the administrator of said agency be informed of such within twenty-four (24) hours of such conviction. Any contactor found in violation of this section, after notice from the Government of Guam, after notice from the contracting authority of such violation, shall within twenty-four (24) hours, take corrective action and shall report such action to the contracting authority. Failure to take corrective action with the stipulated period may result in the temporary suspension of the contract at the discretion of the Government of Guam.

- 22. POLICY IN FAVOR OF SERVICE-DISABLED VETERAN OWNED BUSINESSES: P.L. 31-115 (September 20, 2011) 5 GCA § 5011 and § 5012 In the procurement of any supply or service, (except for professional services), if such supply or service is offered by a Service Disabled Veteran Owned Business "SDVOB", as defined in 5 GCA § 5012, that is at least fifty one percent (51%) owned by service-disabled veteran(s), and if the supply or service is available within the period that is required for the procurement, and the price for the supply or service does not exceed one hundred five percent (105%) of the lowest bidder price, a preference shall be given to that SDVOB by the Government of Guam, and the supply or service shall be purchased from said SDVOB. This shall be in addition to any other procurement benefit the SDVOB may qualify for under Guam law. A business concern is a qualified SDVOB if: (a) the business concern is licensed to do business on 7Guam; (b) the business concern maintains its headquarters on Guam; (c) the business concern is at least fifty-one (51%) owned by a servicedisabled veteran(s) who served in the active U.S. military service, was discharged or released under honorable conditions and whose disability is service-connected as demonstrated by a DD214, and certified by an award letter from the U.S. Department of Veterans Affairs; the DD214 and Disability award letter from U.S. Department of Veterans Affairs are submitted to the Government of Guam procuring agency for every service offered; and the service disabled veteran(s) owner(s) of the business concern has filed individual tax returns on Guam for a period of at least three (3) consecutive years.
- 23. **CERTIFICATION OF INDEPENDENT PRICE DETERMINATION:** The undersigned Bidder certifies that the bid price submitted was Independently arrived at without collusion GAR § 3126
- 24. **LICENSING OR CERTIFICATE(S) OF EXEMPTIONS:** Bidders are cautioned that the Government will not consider for award any offer submitted by a bidder who cannot comply with the Guam Licensing Law. Specific information on license or exemptions may be obtained from the Director of Revenue and Taxation.
- 25. **EQUAL EMPLOYMENT OPPORTUNITY:** Bidder shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The contractor will take affirmative action to ensure that employees are treated equally during employment without regards to their race, color, religion, sex, or national origin.
- 26. **DISCLOSURES OF MAJOR SHAREHOLDERS**: (5 GCA § 5233) As a condition of submitted a bid, any partnership, sole proprietorship or corporation doing business with the Government of Guam shall submit an affidavit executed under oath that lists the name and address of any person who has held more than ten percent (10%) of the outstanding interest or shares in said month period immediately preceding submission of proposal.



IFB TIMETABLE:

The following IFB timetable should be used as a working guide for planning purposes. GSWA reserves the right to adjust this timetable as required during the course of the IFB process.

Registration Form for GSWA IFB Packet will be available on the Guam Solid Waste Authority website at www.gswa.guam.gov .	Friday, November 3, 2023
Deadline for Receipt of Written Questions must be e-mailed to the Guam Solid Waste Authority at procurement@gswa,guam.gov , ATTN: General Manager	Thursday, November 9, 2023 on or before 5:00PM Chamorro Standard Time
Deadline for Answers to Written Questions will be e-mailed to Offerors who registered.	Wednesday, November 14, 2023 on or before 5:00PM Chamorro Standard Time
Bid Due Date & Bid Opening at the Guam Solid Waste Authority: Administration Office, GSWA Bldg., 2 nd Floor, 546 N. Marine Corps Dr., Tamuning, Guam	Monday, November 20, 2023 at 1:00PM Chamorro Standard Time



LOURDES A. LEON GUERREROGovernor of Guam

JOSHUA F. TENORIO Lt. Governor of Guam



ITEM NO.	DESCRIPTION	QTY	UOM	UNIT PRICE	PRICE EXTENSION
1.0	Compact Wheel Loader w/ Attachments	1	EA	\$	\$

SPECIFICATIONS:

Indicate on each line of the technical specifications whether or not each item complies with the specification or an exception is being taken. If additional space is required to fully explain bid exceptions, attach additional typed page(s) to the bid submittal indicating the section number and subsection that has the exception, and provide explanation.

	COMPLY / NON-COMPLIANCE
Engine: Gross HP at 2400 RPM: 73 HP minimum	
Peak Torque at 1560 RPM: 206 foot lbs. minimum	
Emissions: Compliant with EPA Final Tier 4/EU Stage V	
Four cylinders	
Powertrain: Hydrostatic with infinitely variable speed control over full range of operating speeds. 2 speed ranges, joystick mounted F-N-R, acceleration pedal.	
Axles: Fixed, 100% differential, manually engaged front axle, fixed conventional differential rear axle	
Max rise and fall single wheel: 15 inches maximum, 14 inch minimum	
Hydraulically activated, self-adjusting internal wet disc brakes and driveline drum brake	
Cooling: Hydraulically driven, proportionally controlled fan	
Articulation Angle: 30 degrees each direction	
Cylinders: Heat treated chrome plated polished cylinder rods, hardened steel, replaceable bushings and pivot pins	
Hydraulics: Main pump (loader and steering): 18 GPM standard, 29 GPM with high flow option.	
Quick Coupling: Conforms with ISO 16028 quick coupling for all attachments	
Electrical: Voltage: 12-volt	
One (1) battery	
Battery capacity: 925 CCA	
Cab: Seat: Air ride high back with head rest and dual lumbar support	
Noise: Operator ear 70 dBA Bystander 101 dBA	



JOSHUA F. TENORIO Lt. Governor of Guam



·	COMPLY / NON-COMPLIANCE
Air conditioning	
Steering: Dual tilt and telescoping steering column	
Performance: Conforms with SAE J1040, SAE J231, ISO 3471 and ISO 3449 ROPS/FOPS	
Operating Weight: ISO quick coupler and 1CY general purpose bucket / bolt on edge 12,250 lbs. minimum	
1.4 CY multi-purpose bucket: 12,800 lbs. maximum	
Wheelbase: 7 feet minimum	
Dump clearance: 40-degree full height – 8 feet 3 inches	
Reach: 40-degree full height – 32 inches	-
Fork height fully raised: 10 feet minimum	
Fork tipping load straight: 7000 lb. maximum	
Attachments: ISO quick coupling mechanism: Conforms with ISO 16028	
One (1) additional 1.4 CY bucket with bold on edge	
One (1) Tink claw bucket model 520 or equal	
One (1) 60-inch pick-up broom: 800 lb. minimum; 900 lb. max	
One (1) Fork: 48 inches minimum	
Equipment Warranty: The Bidder guarantees to the Purchaser that the equipment, upon delivery, will be brand new and will have been constructed using entirely new components. Furthermore, the Bidder assures that any new equipment provided shall be free from any defects in manufacturing workmanship and materials for a duration of 24 months or 2,000 hours, whichever occurs first, commencing from the date of equipment delivery. This warranty encompasses any necessary repairs or replacements without any additional cost to the Purchaser.	
Miscellaneous Items: One (1) operator's manual hardcopy	
One (1) operator's manual on CD	
One (1) complete illustrated parts book	
One (1) shop repair manual	
One (1) warranty manual	
Manufacturer's training of GSWA crew (8 hours) & contracted mechanics (20 hours)	
Online manual for parts, service & repair	



GUAM SOLID WASTE AUTHORITY

LOURDES A. LEON GUERREROGovernor of Guam

JOSHUA F. TENORIO Lt. Governor of Guam



Delivered with a fu	ull tank of fuel	
Note: The GSA Feder	ral Contract will be considered along wi	th its terms and conditions if offered.
Bidding On: Manufacturer:		_
Year:		-
Model:		-
Place of Origin:		-
Date of Delivery:		_

BIDDER'S REGISTRY LGG

Bid Package Pick Up

GSWA-004-24

COMPACT WHEEL LOADER W/ ATTACHMENTS

NOVEMBER 20. 2023 @ 1:00PM

Date / Time of Bid Opening:

PROJECT NAME:

IFB NO.:

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Email Address:	Powlomorricos go. pommt.	Jimmti acoe fareast	6032-9000 sales@usacontractorscoip.	ipanzenamthomicat.com								
٠:			(1071) 1032-9000									
Contact No. (Alternate)	671 671 482-475 9447	473-4374										
Point of Contact (Alternate)	JE550 MUNOZ											
Contact No. (Primary)	671 483-4185	(671) 889-10270	(671) 632-3044	(671)								
Point of Contact (Primary)	Equipment Paul Eustag-10 483-0180	dipment co. John Linntialo										
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BIDDER'S RECOTRY LOG

Bid Package Pick Up

GSWA-004-24

COMPACT WHEEL LOADER W/ ATTACHMENTS

NOVEMBER 20, 2023 @ 1:00PM

Date / Time of Bid Opening:

PROJECT NAME:

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division.



IFB NO.:



GSWA PROCUREMENT RECORD Page 48 GUAM SOLID WASTE AUTHORITY

LOURDES A. LEON GUERRERO

JOSHUA F. TENORTO

IRVIN L. SLIKE



November 20, 2023

INVITATION FOR BID GSWA-004-24 COMPACT WHEEL LOADER W/ ATTACHMENTS

AMENDMENT NO. 2

Deadline for Receipt of Written Questions	Wednesday, November 15, 2023
must be e-mailed to the Guam Solid Waste Authority at	on or before 5:00PM
procurement@gswa.guam.gov, ATTN: General Manager	Chamorro Standard Time
To Now Read:	
Deadline for Receipt of Written Questions	Tuesday, November 21, 2023
must be e-mailed to the Guam Solid Waste Authority at	on or before 5:00PM
procurement@gswa.guam.gov, ATTN: General Manager	Chamorro Standard Time
Amend page 31 of 34 From:	
Bid Due Date & Bid Opening at the Guam Solid Waste	Wednesday, November 22, 2023
Authority: Administration Office, GSWA Bldg., 2nd Fl.	at 1:00PM
546 N. Marine Corps Dr., Tamuning, Guam	Chamorro Standard Time
To Now Read:	
Bid Due Date & Bid Opening at the Guam Solid Waste	Tuesday, November 28, 2023
Authority: Administration Office, GSWA Bldg., 2nd Fl.	at 1:00PM
546 N. Marine Corps Dr., Tamuning, Guam	Chamorro Standard Time

 Amend to replace pages 32 of 34 through 34 of 34 with the "Revised 11/20/2023 Page 32" through "Revised 11/20/2023 Page 34" attached.

*All others remain the same.

Irvin L. Slike, General Manager

In I Slike

A	CKNOWLEDGEMENT RECEIPT Return to GSWA by email or fax.
78 - 11	18)
Date	
Campa	ly Name
8	Fax to 671-649-3777 mail: procurement@gswa.guam.gov



LOURDES A: LEON GUERRERO Governor of Guain TOSHUA + TENORIO





ITEM					PRICE
NO.	DESCRIPTION	QTY	UOM	UNIT PRICE	EXTENSION
1.0	Compact Wheel Loader w/	1	EA	\$	\$
1.0	Attachments	1	LIZE	Ψ	

SPECIFICATIONS:

Indicate on each line of the technical specifications whether or not each item complies with the specification or an exception is being taken. If additional space is required to fully explain bid exceptions, attach additional typed page(s) to the bid submittal indicating the section number and subsection that has the exception, and provide explanation.

	COMPLY / NON-COMPLIANCE
Engine: Gross HP at 2400 RPM: 73 HP minimum	
Peak Torque at 1560 RPM: 206 foot lbs. minimum	
Emissions: Compliant with EPA Final Tier 4/EU Stage V	
Four cylinders	
Powertrain: Hydrostatic with infinitely variable speed control over full range of operating speeds. 2 speed ranges, joystick mounted F-N-R, acceleration pedal.	
Axles: Fixed, 100% differential, manually engaged front axle, fixed conventional differential rear axle or oscillating rear axle	
Max rise and fall single wheel: 15 inches maximum, 14 inch minimum	
Hydraulically activated, self-adjusting internal wet disc brakes and driveline drum brake	
Cooling: Hydraulically driven, proportionally controlled fan or belt-driven fan	
Articulation Angle: 30 degrees each direction	
Cylinders: Heat treated chrome plated polished cylinder rods, hardened steel, replaceable bushings and pivot pins	
Hydraulics: Main pump (loader and steering): 18 GPM standard, 29 GPM with high flow option.	
Quick Coupling: Conforms with ISO 16028 quick coupling for all attachments	





	COMPLY / NON-COMPLIANCE
Air conditioning	
Steering: Dual tilt and telescoping steering column	
Performance: Conforms with SAE J1040, SAE J231, ISO 3471 and ISO 3449 ROPS/FOPS	
Operating Weight: ISO quick coupler and ICY general purpose bucket / bolt on edge 12,250 lbs. minimum	
1.4 CY multi-purpose bucket: 12,800 lbs. maximum	
Wheelbase: 7 feet minimum	
Dump clearance: 40-degree full height - 8 feet 3 inches	
Reach: 40-degree full height – 32 inches	
Fork height fully raised: 10 feet minimum	
Fork tipping load straight: 7000 lb. maximum Attachments:	
ISO quick coupling mechanism: Conforms with ISO 16028	
One (1) additional 1.4 CY bucket with bolt on edge	TO THE PERSON NAMED IN COLUMN TO THE
One (1) Tink claw bucket model 520 or equal	
One (1) 60-inch pick-up broom: 800 lb. minimum; 900 lb. max	
One (1) Fork: 48 inches minimum	
Equipment Warranty: The Bidder guarantees to the Purchaser that the equipment, upon delivery, will be brand new and will have been constructed using entirely new components. Furthermore, the Bidder assures that any new equipment provided shall be free from any defects in manufacturing workmanship and materials for a duration of 24 months or 2,000 hours, whichever occurs first, commencing from the date of equipment delivery. This warranty encompasses any necessary repairs or replacements without any additional cost to the Purchaser.	
Miscellaneous Items: One (1) operator's manual hardcopy	



Delivered with a fu	Il tank of fuel
Note: The GSA Federa	al Contract will be considered along with its terms and conditions if offered.
Bidding On: Manufacturer:	
Year:	
Model:	
Place of Origin:	
Date of Delivery:	

AMENDMENT DISTRIBUTION LOG

INVITATION FOR BID NO. GSWA-004-24 COMPACT WHEEL LOADER W/ ATTACHMENTS

PROPOSER NAME /	EMAIL ADDRESS	AMENDMENT	DATE OF
COMPANY		NO.	TRANSMISSION
Paul Eustaquio,	paul a morricoequipment.com	1	11/14/2023
Morrico Equipment			
John Limitaco	ilimtiaco a fareastequipment.com	1	11/14/2023
Far East Equipment Co.	1		
Eddie Onopey, USA Contractors Corp.	sales@usacontractorscorp.com	1	11/14/2023
Jimmy Cruz,	jperuz@hawthorneeat.com	1	11/14/2023
Hawthorne Pacific Corp.	iperassena antonice accom		11/14/2023
Paul Eustaquio, momico Equipment	paul@mornicoequipment.com	Q	11/20/2023
John Limitiaco Far East Equipment Co.	juntiano fareastequipment com	2	11/20/2023
usa contractors corp-	sales@usacontractorscorp.com	2	11/20/2023
Hawkhorne Paatic Corp.	journe cat am	8	11/20/2023
Mulpac Fay East Paul Eustagnio	month gividractoreals: join	2	. 10/2023
MOMICO Equipment	Paul @morries equipment.com	3	11/27/2023
FUY EUST EQUIDMENT CO.	illimitiaco@fareastequipment.com	3	11 27 2023
RYME PAUL SUNTES FOR EAST EQUIPMENT CO.	rsantos etar eactequipment com	3	11 27 2023
Jimmy CMIZ Hawtopine Pacific (DIP.	ip MZ@ hawthom chat com	3	11 27 2023
USE CONTROCPUS LOFF.	iales@usacontractors corp. com	3	11 27 2023
MidPac Far East	monuz@midpactareast.com	3	1127/2023



LOURDES A LEON GUERRERO

JOSHUA F TENORTO

IRVIN L. SLIKE



November 20, 2023

INVITATION FOR BID GSWA-004-24 COMPACT WHEEL LOADER W/ ATTACHMENTS

AMENDMENT NO. 2

1.	Amend page 31 of 34 From:	
	Deadline for Receipt of Written Questions must be e-mailed to the Guam Solid Waste Authority at procurement@gswa.guam.gov, ATTN: General Manager	Wednesday, November 15, 2023 on or before 5:00PM Chamorro Standard Time
	To Now Read:	
	Deadline for Receipt of Written Questions must be e-mailed to the Guam Solid Waste Authority at procurement@gswa.guam.gov, ATTN: General Manager	Tuesday, November 21, 2023 on or before 5:00PM Chamorro Standard Time
2.	Amend page 31 of 34	
	From: Bid Due Date & Bid Opening at the Guam Solid Waste Authority: Administration Office, GSWA Bldg., 2nd Fl. 546 N. Marine Corps Dr., Tamuning, Guam	Wednesday, November 22, 2023 at 1:00PM Chamorro Standard Time
	From: Bid Due Date & Bid Opening at the Guam Solid Waste Authority: Administration Office, GSWA Bldg., 2nd Fl.	·

3. Amend to replace pages 32 of 34 through 34 of 34 with the "Revised 11/20/2023 Page 32" through "Revised 11/20/2023 Page 34" attached.

*All others remain the same.

Sim Lasth

Irvin L. Slike, General Manager

ACKNOWLEDGEMENT RECEIPT

Return to GSWA by email or fax.

Rece -

Paul Eustaquio

Date

11/22/23

Company Name

Morrico Equipment

Fax to: 671 649 3777 Email: procurement@gswa.guam.gov



LOURDES A. LEON GUERRERO

JOSHUA F. TENORIO H. Governor of GuamIRVIN L. SLIKE



November 20, 2023

INVITATION FOR BID GSWA-004-24 COMPACT WHEEL LOADER W/ ATTACHMENTS

AMENDMENT NO. 2

1. Amen	d page	31	of	34
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Wednesday, November 15, 2023
on or before 5:00PM
Chamorro Standard Time
Tuesday, November 21, 2023
on or before 5:00PM
Chamorro Standard Time
Wednesday, November 22, 2023
at 1:00PM
Chamorro Standard Time
Tuesday, November 28, 2023
at 1:00PM
Chamorro Standard Time

3. Amend to replace pages 32 of 34 through 34 of 34 with the "Revised 11/20/2023 Page 32" through "Revised 11/20/2023 Page 34" attached.

*All others remain the same.

Irvin L. Slike, General Manager

Sim I Slike

ACKNOWLEDGEMENT RECEIPT

Return to GSWA by email or fax.

Rece of the

Paul Eusterpois

Date.

11/22/23

Company Name Marrico Equipment

Fax to: 671 649 3777 Email: procurement@gswa.guam.gov

546 N. MARINE CORPS DRIVE, TAMUNING, GU 96913 * TEL: 671-646-3111 | FAX: 671-649-3777 https://www.guamsolidwasteauthority.com/



GSWA Procurement curement@gswa.guam.gov>

GSWA-004-24 Compact Wheel Loader Questions

2 massages

Ryne Santos <re>rsantos@fareastequipment.com>
To: GSWA Procurement procurement@gswa.guam.gov>
Co: John Limtiaco
Jimtiaco@fareastequipment.com>

9 November 2023 at 10:51

Hafa Adai GSWA Procurement:

Please see below questions for the bid in subject.

- 1. In the specs under **Powertrain** the spec reads "Max rise and fall single wheel: 15 inch maximum, 14 inch minimum." Will 10 inches be acceptable?
- 2. In the specs under Cooling the spec reads "Hydraulically driven, proportionally controlled fan".
- Will direct driven be acceptable?
- 3. In the specs under **Hydraulics** the spec reads "Main pump (loader and steering): 18 GPM standard, 29 GPM with high flow option".
- Will a max rated flow 21.13 GPM @ 1,000 PSI be acceptable?
- Can you clarify why there is a request for high flow option when the requested attachments do not require high flow hydraulics?
- 4. In the specs under Electrical the spec reads 'Battery capacity, 925 CCA"
- Will 830 CCA be acceptable?
- --Best regards, Ryne-Paul Santos Sales Far East Equipment Co, LLC P.O. Box 10838 Tamuning, Guam 96931



GSWA Procurement curement@gswa.guam.gov>
To: Alicia Fejeran <alicia.fejeran@gswa.guam.gov>, Irvin Slike <irvin.slike@gswa.guam.gov>

9 November 2023 at 11:40

FYI.



GSWA Procurement curement@gswa.guam.gov>

GSWA-004-24: Compact Wheel Loader

Ryne Santos rsantos@fareastequipment.com>
To: GSWA Procurement procurement@gswa.guam.gov>

13 November 2023 at 13:28

Cc: John Limtiaco <jlimtiaco@fareastequipment.com>, Alicia Fejeran <alicia.fejeran@gswa.guam.gov>, Keilani Mesa <keilani.mesa@gswa.guam.gov>, Irvin Slike <irvin.slike@gswa.guam.gov>

Hafa Adai GSWA Procurement:

Please see attached signed and acknowledged Q&A Response. Please see additional inquiries below.

- 1. In regards to the high-flow hydraulics requirement for the broom attachment, John Deere's broom attachment does "NOT" require high-flow. Will high-flow still be required?
- 2. What Make and Model machine was used to form the specs of this bid?

Best regards, Ryne

P.O. Box 10838 Tamuning, Guam 96931



GSWA-004-24 Q&A Response 11.9.23 SIGNED.pdf









ADDRESS:

197 Ypao Road, Tamuning

Guarn 96913

Phone: 1-671-649-1946 FAX: 1-671-649-1947

SPARE PARTS: Phone: 1-671-646-7914

WEB:

Fax: 1-671-646-7900 www.morricoequipment.com







November 15, 2023

MORRIC EQUIPMENT QUESTIONS

Irvin Slike General Manager Guam Solid Waste Authority 546 North Marine Corps Drive Tamuning, Guam 96913

Re: Guam Solid Waste Authority Invitation for Bid GSWA-004-24 Compact Wheel Loader with Attachment

Dear Sir,

Morrico Equipment LLC submits the below questions in regards to Invitation for Bid No. GSWA-004-24 Compact Wheel Loader with Attachments Bid.

Specifications

1. Axles: Fixed, 100% differential, manually engaged front axle, fixed conventional differential rear axle.

Ouestion # 1. Is an oscillating rear axle acceptable?

2. Max rise and fall single wheel: 15 inches maximum, 14 inch minimum.

Question # 2. Please clarify what is required by the term listed above.

3. Hydraulically Driven, proportionally controlled fan.

Question # 3. Will a belt driven fan be acceptable?

4. Voltage: 12 Volt

Question # 4. Will a 24 Volt Electrical System be Acceptable?

5. One (1) Battery

Question # 5. Will two 12 Volt Batteries be acceptable?

Page 1 of 2









ON-SITE DIESEL DELIVERY















197 Ypao Road, Tamuning

Guam 96913

OFFICE SPARE PARTS

Phone 1-671-649-1946 FAX: 1-671-649-1947

HICO

Phor e 1-671-646-7914 Fax 1-671-646-7900 www.momicoequipment.com







Re: Guam Solid Waste Authority Invitation for Bid GSWA-004-24 Compact Wheel Loader with Attachment

6. Battery Capacity: 925 CCA

Question # 6. Will two Batteries with 900 CCA be acceptable?

7. Seat: Air Ride high back with head rest and dual lumbar support

Question # 7. Will a mechanical suspension seat be acceptable?

8. 1.4 CY Bucket: 12,800 lbs. Maximum

Question # 8. Please confirm if this bucket request is for a multipurpose bucket.

9. One (1) 1.4 CY Bucket with Bolt on Cutting Edge

Question # 9. Please confirm if this bucket request is for a Multipurpose Bucket.

Please confirm if this is bucket request is additional to Question 8 bucket request or the same request.

Regards.

Paul Eustaquio

Heavy Equipment Sales Moπico Equipment LLC

paul a morricoequipment com

Cell: (671) 483-0180

Page 2 of 2









ON-SITE DIESEL DELIVERY









Tink Claw Bucket - GSWA-004-24

Ryne Santos <rsantos@fareastequipment.com>
To: GSWA Procurement cprocurement@gswa.guam.gov>
Co: John Limtiaco filmtiaco@fareastequipment.com>

17 November 2023 at 12:46

Hafa Adai GSWA Procurement:

The manufacturer of the Tink Claw bucket does not recommend the C720 (2.7CYD) model for this size machine. They recommend the C520 (1.2 CYD) model for a machine of this size. With this information, does GSWA want to proceed with a C720 model bucket though it may pose a tipping hazard?

--Best regards, Ryne-Paul Santos Sales Far East Equipment Co. LLC P.O. Box 10838 Tamuning, Guam 96931







GSWA-004-24 Compact Wheel Loader Questions

2 messages

9 November 2023 at 10:51

Hafa Adai GSWA Procurement:

Please see below questions for the bid in subject.

- 1. In the specs under Powertrain the spec reads "Max rise and fall single wheel: 15 inch maximum, 14 inch minimum."
- Will 10 inches be acceptable?
- In the specs under Cooling the spec reads "Hydraulically driven, proportionally controlled fan".
- Will direct driven be acceptable?
- 3. In the specs under **Hydraulics** the spec reads "Main pump (loader and steering): 18 GPM standard, 29 GPM with high flow option".
- Will a max rated flow 21.13 GPM @ 1,000 PSI be acceptable?
- Can you clarify why there is a request for high flow option when the requested attachments do not require high flow hydraulics?
- 4. In the specs under Electrical the spec reads "Battery capacity: 925 CCA"
- Will 830 CCA be acceptable?
- --Best regards, Ryne-Paul Santos Sales Far East Equipment Co. LLC P.O. Box 10838 Tamuning, Guam 96931



9 November 2023 at 11:40

To: Alicia Fejeran <alicia.fejeran@gswa.guam.gov>, Irvin Slike <irvin.slike@gswa.guam.gov>

FYI.

[Quoted text hidden]



GSWA-004-24: Compact Wheel Loader

Ryne Santos Frantos@fareastequipment.com

13 November 2023 at 13:28

To: GSWA Procurement curement@gswa.guam.gov>

Cc: John Limtiaco <ilimtiaco@fareastequipment.com>, Alicia Fejeran <alicia.fejeran@gswa.guam.gov>, Keilani Mesa <keilani.mesa@gswa.guam.gov>, Irvin Slike <irvin.slike@gswa.guam.gov>

Hafa Adai GSWA Procurement:

Please see attached signed and acknowledged Q&A Response. Please see additional inquiries below.

- 1. In regards to the high-flow hydraulics requirement for the broom attachment, John Deere's broom attachment does "NOT" require high-flow. Will high-flow still be required?
- 2. What Make and Model machine was used to form the specs of this bid?

Best regards, Ryne

[Quoted text hidden]

Ryne-Paul Santos Sales

Far East Equipment Co. LLC

P.O. Box 10838 Tamuning, Guam 96931



GSWA-004-24 Q&A Response 11.9.23 SIGNED.pdf 328K



GUAM SOLID WASTE AUTHORITY

LOURDES A. LEON GUERRERO

JOSHUA F. TENORIO

IRVIN L. SLIKE



November 13, 2023

INVITATION FOR BID GSWA-004-24 COMPACT WHEEL LOADER W/ ATTACHMENTS

Questions and Concerns received from Far East Equipment Co. On November 9, 2023

1. In the specs under Powertrain, the spec reads "Max rise and fall single wheel: 15 inch maximum, 14 inch minimum." Will 10 inches be acceptable?

Response: No, specs remain the same.

2. In the specs under Cooling, the spec reads "Hydraulically driven, proportionally controlled fan." Will direct driven be acceptable?

Response: No, specs remain the same.

3. In the specs under Hydraulics, the spec reads "Main pump (loader and steering): 18 GPM standard, 29 GPM with high flow option." Will a max rated flow 21.13 GPM @ 1,000 PSI be acceptable?

Response: No, specs remain the same.

4. In the specs under Hydraulics, the spec reads "Main pump (loader and steering): 18 GPM standard, 29 GPM with high flow option." Can you clarify why there is a request for high flow option when the requested documents do no require high flow hydraulics?

Response: The pick-up broom specified requires the flow specified.

5. In the specs under Electrical, the spec reads "Battery capacity: 925 CCA." Will 830 CCA be acceptable?

Response: No, specs remain the same.

Irvin L. Slike, General Manager

ACKNOWLEDGEMENT RECEIPT Require to GSWA by email or fav	
Research 16,	
Care.	
Company Nac	9
Email:	Fax to: 671-649-3777 procurement@gswa.guam.gov



GUAM SOLID WASTE AUTHORITY

LOURDES A. LEON GUERRERO

JOSHUA F. TENORIO

IRVIN L. SLIKE



November 14, 2023

INVITATION FOR BID GSWA-004-24 COMPACT WHEEL LOADER W/ ATTACHMENTS

Questions and Concerns received from Far East Equipment Co. On November 13, 2023

1. In regards to the high-flow hydraulics requirement for the broom attachment, John Deere's broom attachment does "NOT" require high-flow. Will high-flow still be required?

Response: The hydraulic flow range is typical for brooms.

2. What make and model machine was used to form the specs of this bid?

Response: John Deere model 244P.

Irvin L. Slike, General Manager

In I Slike

	WLEDGEMENT RECEIPT
Kereses By	
Date	
Company Name.	
	ax to: 671-649-3777 ocurement@gswa.guam.gov



GUAM SOLID WASTE AUTHORITY

LOURDES A. LEON GUERRERO

JOSHUA F. TENORIO

IRVIN L. SLIKE



November 20, 2023

INVITATION FOR BID GSWA-004-24 COMPACT WHEEL LOADER W/ ATTACHMENTS

Questions and Concerns received from Morrico Equipment on November 15, 2023

1. Axles: Fixed, 100% differential, manually engaged front axle, fixed conventional differential rear axle. Is an oscillating rear axle acceptable?

Response: Yes, refer to Amendment No. 2.

2. Max rise and fall single wheel: 15 inches maximum, 14 inches minimum. Please clarify what is required by the term listed above.

<u>Response</u>: The term "Max rise and fall single wheel: 15 inches maximum, 14 inches minimum" pertains to the vertical movement capability of a single wheel on the compact wheel loader. Here's a breakdown of the requirement:

- Max Rise: This refers to the maximum vertical distance the center of a single wheel is allowed to move upward from its resting position. In this context, the specified maximum rise is 15 inches.
- Min Fall: Conversely, the minimum fall denotes the minimum vertical distance the center of a single wheel is permitted to move downward from its resting position. For this specification, the minimum fall is 14 inches.

These parameters are crucial for ensuring that the compact wheel loader can effectively navigate varied terrains, accommodate different load sizes, and maintain stability during operation.

3. Hydraulically Driven, proportionally controlled fan. Will a belt driven fan be acceptable?

Response: Yes, refer to Amendment No. 2.

4. Voltage: 12-volt. Will a 24 Volt Electrical System be acceptable?

Response: Yes, refer to Amendment No. 2.

5. One (1) Battery. Will two 12-volt batteries be acceptable?

Response: Yes, refer to Amendment No. 2.

6. Battery Capacity: 925 CCA. Will two batteries with 900 CCA be acceptable?

Response: Yes, refer to Amendment No. 2.



GUAM SOLID WASTE AUTHORITY

LOURDES A. LEON GUERRERO

JOSHUA F. TENORIO

IRVIN L. SLIKE



7. Seat: Air Ride high back with head rest and dual lumbar support. Will a mechanical suspension seat be acceptable?

Response: Yes, refer to Amendment No. 2.

8. 1.4 CY Bucket: 12,800 lbs. Maximum. Please confirm if this bucket request is for a multipurpose bucket.

Response: Refer to Amendment No. 2.

 One (1) 1.4 CY Bucket with Bolt on Cutting Edge. Please confirm if this bucket request is for a Multipurpose Bucket. Please confirm if this is bucket request is additional to Question 8 bucket request or the same request.

Response: Refer to Amendment No. 2.

Questions and Concerns received from Far East Equipment Co. on November 17, 2023

10. The manufacturer of the Tink Claw bucket does not recommend the C720 (2.7CYD) model for this size machine. They recommend the C520 (1.2CYD) model for a machine of this size. With this information, does GSWA want to proceed with a C720 model bucket though it may pose a tipping hazard?

Response: No, refer to Amendment No. 2.

Irvin L. Slike, General Manager

In I Slike

	OWLEDGEMENT RECEIPT
A76,	
No.	
Company Num	9
	Fax to: 671-649-3777
Email:	procurement@gswa.guam.gov



LOURDES A LEON GUERRERO.

JOSHUA F TENDRES

18vin - Stice



November 13, 2023

INVITATION FOR BID GSWA-004-24 COMPACT WHEEL LOADER W/ ATTACHMENTS

Questions and Concerns received from Far East Equipment Co. On November 9, 2023

1. In the specs under Powertrain, the spec reads "Max rise and fall single wheel: 15 inch maximum, 14 inch minimum." Will 10 inches be acceptable?

Response: No, specs remain the same.

2. In the specs under Cooling, the spec reads "Hydraulically driven, proportionally controlled fan," Will direct driven be acceptable?

Response: No, specs remain the same.

3 In the specs under Hydraulics, the spec reads. Main pump (loader and steering): 18 GPM standard, 29 GPM with high flow option." Will a max rated flow 21.13 GPM @ 1.000 P5I be acceptable?

Response: No, specs remain the same.

4 In the specs under Hydraulics, the spec reads 'Main pump (loader and steering): 18 GPM standard, 29 GPM with high flow option "Can you clarify why there is a request for high flow option when the requested documents do no require high flow hydraulics?

Response: The pick-up broom specified requires the flow specified.

5. In the specs under Electrical, the spec reads 'Battery capacity: 925 CCA "Will 830 CCA be acceptable?

Response: No, specs remain the same.

Irvin L. Slike, General Manager

ACKNOWLEDGEMENT RECEIPT

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IVISTO 3777

Enter procurement@sswa.guain.gov

546 N. Marine Corps Drive, Tamuning, GU 96913 * Tel: 671-646-3111 | Fax: 671-649-3777 https://www.guamsofldwasteauthority.com/



OUPDES & THUN STREET

JOSHUA / TENORI

IRVING SUICE



November 14, 2023

INVITATION FOR BID GSWA-004-24 COMPACT WHEEL LOADER W/ ATTACHMENTS

Questions and Lonceins received from Far East Enginement Co. On November 13, 2021.

1. In regards to the high-flow hydraulics requirement for the broom attachment, John Deere's broom attachment does "NOT" require high-flow. Will high-flow still be required?

Response: The hydraulic flow range is typical for brooms.

2. What make and model machine was used to form the specs of this bid?

Response: John Deere model 244P.

F-1-7-7-7

In I gli

Tovin L. Slike, General Manager

ACKNOWLEDGEMENT RECEIPT

For to 33% hover the company of the compa



LOURDES A. LEON GUERRERO

JOSHUA F. TENORIO

IRVIN L SLIKE



November 20, 2023

INVITATION FOR BID GSWA-004-24 COMPACT WHEEL LOADER W/ ATTACHMENTS

Questions and Concerns received from Morrico Equipment on November 15, 2023

1. Axles: Fixed, 100% differential, manually engaged front axle, fixed conventional differential rear axle. Is an oscillating rear axle acceptable?

Response: Yes, refer to Amendment No. 2.

2. Max rise and fall single wheel: 15 inches maximum, 14 inches minimum. Please clarify what is required by the term listed above.

<u>Response</u>: The term "Max rise and fall single wheel: 15 inches maximum, 14 inches minimum" pertains to the vertical movement capability of a single wheel on the compact wheel loader. Here's a breakdown of the requirement:

- Max Rise: This refers to the maximum vertical distance the center of a single wheel is allowed to move upward from its resting position. In this context, the specified maximum rise is 15 inches.
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These parameters are crucial for ensuring that the compact wheel loader can effectively navigate varied terrains, accommodate different load sizes, and maintain stability during operation.

3. Hydraulically Driven, proportionally controlled fan. Will a belt driven fan be acceptable?

Response: Yes, refer to Amendment No. 2.

4. Voltage: 12-volt. Will a 24 Volt Electrical System be acceptable?

Response: Yes, refer to Amendment No. 2.

5. One (1) Battery. Will two 12-volt batteries be acceptable?

Response: Yes, refer to Amendment No. 2.

6. Battery Capacity: 925 CCA. Will two batteries with 900 CCA be acceptable?

Response: Yes, refer to Amendment No. 2.



GUAM SOLID WASTE AUTHORITY

LOURDES A LEON GUERRERO

JOSHUA F. TENORIO

IRVIN L SLIKE



7. Seat: Air Ride high back with head rest and dual lumbar support. Will a mechanical suspension seat be acceptable?

Response: Yes, refer to Amendment No. 2.

8. 1.4 CY Bucket: 12,800 lbs. Maximum. Please confirm if this bucket request is for a multipurpose bucket.

Response: Refer to Amendment No. 2.

 One (1) 1.4 CY Bucket with Bolt on Cutting Edge. Please confirm if this bucket request is for a Multipurpose Bucket. Please confirm if this is bucket request is additional to Question 8 bucket request or the same request.

Response: Refer to Amendment No. 2.

Questions and Concerns received from Far East Equipment Co. on November 17, 2023

10. The manufacturer of the Tink Claw bucket does not recommend the C720 (2.7CYD) model for this size machine. They recommend the C520 (1.2CYD) model for a machine of this size. With this information, does GSWA want to proceed with a C720 model bucket though it may pose a tipping hazard?

Response: No, refer to Amendment No. 2.

Irvin L. Slike,

General Manager

Sin I Slike

ACKNOWLEDGEMENT RECEIPT

Return to GSWA by email or fax.

Received By

Paul Eustaguix

Date

11/22/23

Company Name Murrico Equipment

Fax to: 671 649 3777

Email: procurement@gswa.guam.gov



JSWA-004-24: Compact Wheel Loader w/ Attachments

message

20 November 2023 at 17:09

To: Jimmy Cruz <JPCRUZ@hawthornecat.com>

Cc: Alicia Fejeran <alicia.fejeran@gswa.guam.gov>, Keilani Mesa <keilani.mesa@gswa.guam.gov>, Irvin Slike <irvin.slike@gswa.guam.gov>

Håfa Adai!

Please see attached documents for your reference:

- Questions & Concerns
- Amendment No. 2

Please sign the acknowledgement portion on the bottom of the page & submit back at your earliest convenience.

Thank you!



Si Yu'os Ma'ase,

Camaryn Aguon

Buyer I

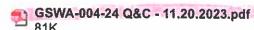
GUAM SOLID WASTE AUTHORITY

546 N. Marine Corps Dr., Tamuning, Guam 96913

T: (671) 646-3111 | F: (671) 649-3777

W: www.gswa.guam.gov

2 attachments



GSWA-004-24 Amendment No. 2.pdf

GUAM SOLID WASTE AUTHORITY



LOURDES A. LEON GUERRERO

JOSHUA F. TENORIO

IRVIN L. SLIKE



ORIGINAL

INVITATION FOR BID NO.: GSWA-004-24

DESCRIPTION: COMPACT WHEEL LOADER W/ ATTACHMENTS

SPECIAL REMINDER TO PROSPECTIVE BIDDERS

Bidders are reminded to read the Sealed Bid Solicitation and Instructions, and General Terms and Conditions attached to the IFB to ascertain that all of the following requirements checked below are submitted in the bid envelope, in duplicate, and the date and time for bid opening.

- (X) BID GUARANTEE (15% of Bid Amount) May be in the form of; Reference #11 on the General Terms and Conditions
 - a. Cashier's Check or Certified Check
 - b. Letter of Credit
 - c. Surety Bond Valid only if accompanied by:
 - 1. Current Certificate of Authority issued by the Insurance Commissioner;
 - 2. Power of Attorney issued by the Surety to the Resident General Agent;
 - Power of Attorney issued by two (2) major officers of the Surety to whoever is signing on their behalf.
- (X) BROCHURES/DESCRIPTIVE LITERATURE;
- (X) AFFIDAVIT DISCLOSING OWNERSHIP, INFLUENCE, COMMISSION, & CONFLICT OF INTEREST
 - Date of signature of the person authorize to sign the bid and the notary date must be the same.
- (X) OTHER REQUIREMENTS:

Affidavit re Non-Collusion, Affidavit re No Gratuities or Kickbacks, Affidavit re Ethical Standards, Affidavit D.O.L. Wage Determination, Affidavit re Contingent Fees, Special Provision; Restriction Against Sexual Offenders

(X) CURRENT BUSINESS LICENSE / CONTRACTOR'S LICENSE / SPECIALTY LICENSE

IN REFERENCE TO SUPPLIES OR SERVICES FOR THIS BID

This reminder must be signed and returned in the bid envelope together with the bid. Failure to comply with the above requirements may be cause for disqualification and rejection of bid.

On this	27th	_day of _	November		_, 2023, [_	Jesse Munoz	authorized
represent	tative of	Morrico	Equipment		acknov	wledge receipt of	this special
reminder to prospective bidders with the above referenced IFB.							

Bidder Representative's Signature



GUAM SOLID WASTE AUTHORITY

LOURDES A. LEON GUERRERO

JOSHUA F TENORIO

IRVIN L. SLIKE General Manager



INVITATION FOR BID

NAM II	SSUING OFFICE:
IRVIN L. SLIKE DATE General Manager	GUAM SOLID WASTE AUTHORITY 546 NORTH MARINE CORPS DRIVE TAMUNING, GUAM 96913
BID INVITATION NO.: G BID FOR: C SPECIFICATION: SI	1/03/2023 SWA-004-24 OMPACT WHEEL LOADER W/ ATTACHMENTS EE ATTACHED UAM SOLID WASTE AUTHORITY
	00 DAYS UPON RECEIPT OF PURCHASE ORDER
INCORPORATED IN:	• •
	led to the issuing office no later than (Tlme) 1:00PM, Bid submitted after the time and date specified above shall be rejected. I Sealed Bid Solicitation for details.
opposite the respective items listed on the schedu to the expense of the Government in opening, ta	within the time specified, the articles and services at the price stated the provided, unless otherwise specified by the bidder. In consideration bulating, and evaluating this and other bids, and other considerations, and irrevocable within one hundred twenty (120) calendar days from which prices are quoted.
NAME AND ADDRESS OF BIDDER: Morrico Equipment LLC	SIGNATURE AND TITLE OF PERSON AUTHORIZED TO SIGN THIS BLO?
197 Ypao Road. Tamuning Guam 96913	Jesse Munoz Sales Manager
AWARD: CONTRACT NO.:	AMOUNT: DATE:
ITEM NO(S). AWARDED:	
	CONTRACTING OFFICER:
	IRVIN L. SLIKE DATE General Manager
NAME AND ADDRESS OF CONTRACTO	OR: SIGNATURE AND TITLE OF PERSON AUTHORIZED TO SIGN THIS CONTRACT:

546 N. MARINE CORPS DRIVE, TAMUNING, GU 96913 * TEL: 671-646-3111 | Fax: 671-649-3777 https://www.guamsolidwasteauthority.com/

AFFIDAVIT DISCLOSING OWNERSHIP, INFLUENCE, COMMISSIONS AND CONFLICTS OF INTEREST

(Required by 5 GCA § 5233 as amended by P.L. 36-13 (4/9/2021))

1 85.

CITY OF Tamuning

ISLAND OF GUAM

inder his // nfluc lays p o disc submi	Guam's affidavit nee, compreceding this time.	Procurement Law for the pur requires all Bidders/Offerors imissions, gratuities, kickback og the publication of this solicy changes to the facts discloses Affidavit is awarded a cont	Offer/Proposal or responding to any method of sour pose of entering into a contract with the governmes/Prospective Contractors to make disclosures of its, and conflicts of interest occurring during the 30 citation and until award of a contract. This included herein throughout the solicitation process; and tract, the duty to disclose any changes to the face contract, including any extensions or renewals.	nt of Guam, ownership, 65 calendar des the duty if the entity ts disclosed		
\	I, the t	indersigned, being first duly s dder/Offeror/Prospective Con	worn, depose and say that I am an authorized repre tractor and that (please check and fill out all that a	sentative of		
	[]	decisions are by, and all pro	ctive Contractor is an individual with a business lice fit is for, that same individual, with principal place			
			ective Contractor is a business or artific or 5 GCA §§ 5030(n) or 5233(b)), and is a sole progess being	prietorship		
ĺχΙ	ĺχΙ	The Bidder/Offeror/Prospective Contractor is a business or artificial person (as defined in 1 GCA § 715 or 5 GCA §§ 5030(n) or 5233(b)), and is owned by the following multiple individuals. Note owners of more than 10% are statutorily required to be listed below, but other owners of smaller percentage are encouraged to be listed as well.				
		Name of Owner	Principal Place of Business Street	% of		
		Atkin Kroll Inc.	Address 443 South Marine Corps Drive, Tamuning, Guam 96913	Interest 100%		

Affidavit Disclosing Ownership, Influence, Commissions and Conflicts of Interest AG Procurement Form 002 (Rev. 11/17/2021) One or more of the more-than-10% owners listed above is a business or artificial person. Any more-than-25% owners of such a business or artificial person are listed below per 5 GCA § 5233. Note: any less-than-25% owners of such a business or artificial person is encouraged to also be listed below Name of >10% Owner Business or Artificial Person: Names of owners of the >10% Owner Business or Artificial % of Owner's Principal Place of Business Street Address Person ("Second Tier Interest Owner") 197 Ypao Road, 100% Morrico Equipment Holdings Inc. Tamuning Guam 96913 Name of other >10% Owner Business or Artificial Person: Names of owners of the >10% Owner Business or Owner's Principal Place of Business Street Address Artificial Person ("Second Interest Tier Owner") В If any Second Tier Owner identified above is an artificial person, the natural or artificial owners of such Second Tier Owner who have held more than 49% of the shares or interest in the Bulder/Offeror/Prospective Contractor (Third Tier Owners) are as follows [if none, please so state]: Second Tier Owner Name Name of Third Tier Owner Principal Place of Business Street Address % of Interest

Affidavit Disclosing Ownership, Influence, Commissions and Conflicts of Interest AG Procurement Form 002 (Rev. 11-17) 2021)

C. If the name of no natural person has been identified as an owner, or a Second or Third Tier Owner of the Bidder/Offeror/Prospective Contractor, please identify the name, position, address, and contact information of the natural person having the authority and responsibility for the Bid/Offer/Proposal/Prospective Contract, and the name of any natural person who has the authority and power to remove and replace the designated responsible person.

Name of Natural Person	Position	Street Address of Principal Place of Business	Phone Number, Email Address, and other Contact Information
Jesse Munoz	Sales Manager	197 Ypao Road,	Jesse.Munoz@morricoequipment.com
		Tamuning Guam 96913	
			100

D.	Further, I say that the persons who have received or are entitled to receive a commission, gratuity,
	contingent fee or other compensation to solicit, secure, or assist in obtaining business related to
	the Bid/Offer/Proposal/Prospective Contract for which this Affidavit is submitted are as follows
	(if none, please so state):

Name	Principal Place of Business Street Address	Amount of Compensation
who are also employs federal funds are Bid/Offer/Proposal	persons who have directly or indirectly participated in sees of the government of Guam or the government of to be used in the payment of the contra	the United States, if
none, please so state)	ospective Contract for which this Affidavit is submitted	

Regardless of any ownership interest, the following individuals have the power to control the performance of the contract or to control the Bidder/Offeror/Prospective Contractor, directly or indirectly:

Name Principal Place of Business Street Address

100

1-,

111

Affidavit Disclosing Ownership, Influence.
Commissions and Conflicts of Interest
AG Procurement Form 002 (Rev. 11-17-2021)

- G. Until award of the contract, and throughout the term of any contract awarded to the Bidder/Offeror/Prospective Contractor represented herein. I agree to promptly make any disclosures not made previously and update changes in ownership, identities of owners and other required information, interests, compensation or conflicts of the persons required to be disclosed. I understand that failure to comply with this requirement shall constitute a material breach of contract.
- H. I hereby declare under penalty of perjury under the laws of Guam that the foregoing is true and correct.

Executed on November 27, 2023 (date)

Jesse Munoz Sales Manager

Signature of one of the following:
Bidder/Offeror/Prospective Contractor: f a licensed individual Owner of sole proprietorship Bidder/Offeror/Prospective

Contractor

Partner, if the Bidder/Offeror/Prospective Contractor is a partnership

Officer, if the Bidder/Offeror/Prospective Contractor is a corporation

Subscribed and sworn to before me

This 27th day of November 2023

NOTARY PUBLIC

My commission expires December 02, 2014

MARY ROSE S. REAL NOTARY PUBLIC In and for Guam, U.S.A. My Commission Expires: DEC. 02, 2024 P.O. Box 167 Haratna, Guam 96932

AFFIDAVIT RE NON-COLLUSION

CITY OF Tamuning	
SLAND OF GUAM) SS.	
Jesse Munoz [state name sworn, deposes and says that:	e of afficut signing below], being first duly
1. The name of the offering company or Morrco Equipment LLC	individual is [state name of company]
2. The proposal for the solicitation identified above offeror has not colluded, conspired, connived or agreed, diperson, to put in a sham proposal or to refrain from making directly or indirectly, sought by an agreement or collusion person to fix the proposal price of offeror or of any other element of said proposal price, or of that of any other of government of Guam or any other offeror, or to secure any any person interested in the proposed contract. All statemes to the best of the knowledge of the undersigned. This stat § 3126(b)	irectly or indirectly, with any other offeror or g an offer. The offeror has not in any manner, n, or communication or conference, with any offeror, or to fix any overhead, profit or cost feror, or to secure any advantage against the advantage against the government of Guam or nts in this affidavit and in the proposal are true
T make this statement on behalf of myself as a rep offeror's officers, representatives, agents, subcontractors, an Jesse Munoz	
	Offeror, if the offeror is an individual: Partner, if the offeror is a partnership: Officer, if the offeror is a corporation.
Subscribed and sworn to before me	
his 27th day of November 2023	
NOTARY PUBLIC Aly commission expires Decrease on the second of the sec	

AG Procurement Form 003 (Jul. 12, 2010)

MARY ROSE S. REAL
NOTARY PUBLIC
In and for Guam, U.S.A.
My Commission Expires: DEC. 02, 2024
P.O. Box 167 Haratna, Guam 96932

AFFIDAVIT re NO GRATUITIES or KICKBACKS

CITY OF Tamuning		
ISLAND OF GUAM) ss.)	
Jesse Munoz	[state name of affiant s	signing below], being
first duly sworn, deposes and says th	nat:	• • • •
Morrico Equipment LLC	ffering firm or individual is [state name of Affiant is an Officer of the offeror	state one
	rtner of the offeror, an officer of the offeror] t	naking the foregoing
identified bid or proposal. 2. To the best of affiant	t's knowledge, neither affiant, nor any of th	e offeror's officers
representatives, agents, subcontracto	ors, or employees have violated, are violating th	e prohibition against
gratuities and kickbacks set forth in	2 GAR Division 4 § 11107(e). Further, affiant	promises, on behalf
of offeror, not to violate the prohibit § 11107(e).	tion against gratuities and kickbacks as set forth	in 2 GAR Division 4
γ 1110/(c)		
3. To the best of affiant	t's knowledge, neither affiant, nor any of th	e offeror's officers,
	tors, or employees have offered, given or a	
offer of employment in connection w	ormer government employee, any payment, gift,	KICKBACK, gratuity or
	The order of proposals	
	n behalf of myself as a representative of the offe	ror, and on behalf of
the offeror's officers, representatives	s, agents, subcontractors, and employees.	00
	Janes Museu Sales Marres	11 /4/_
	Jesse Munoz Sales Manager	n V. Clay
	Signature of one of the following Offeror, if the offero	or is an individual.
	Partner, if the offero	
	Officer, if the offere	
	•	
Subscribed and sworn to before me		
this 27th day of November 2	023	
NOTARY PUBLIC		
My commission expires December	02 , 2024	
ſ	MARY POSE S DEAT	
Ì	NOTARY PUBLIC	
	In and for Guarn, U.S.A.	
555-555	My Commission Expires: DEC. 02, 2024 P.O. Box 167 Hagatna, Guam 96932	
AG Procurement Form 004 (Jul. 12, 2010)	F.O. DOX 107 May Mills, Outsil 70732	

AG Procurement Form 004 (Jul. 12, 2010)

IFB No. GSWA-004-24: Compact Wheel Loader Page 8 of 34

AFFIDAVIT RE ETHICAL STANDARDS

CITY OF Tamuning
) ss.
ISLAND OF GUAM)
Jesse Munoz [state name of affiant signing below], being first
duly sworn, deposes and says that:
The affiant is an Officer of the offeror [state one of the following the offeror
a partner of the offeror, an officer of the offeror] making the foregoing identified bid or proposal. To the
best of affiant's knowledge, neither affiant nor any officers, representatives, agents, subcontractors or
employees of offeror have knowingly influenced any government of Guam employee to breach any of the
ethical standards set forth in 5 GCA Chapter 5, Article 11. Further, affiant promises that neither he or
she, nor any officer, representative, agent, subcontractor, or employee of offeror will knowingly
influence any government of Guam employee to breach any ethical standards set forth in 5 GCA Chapter 5, Article 11. These statements are made pursuant to 2 GAR Division 4 § 11103(b).
5. Affecte 11. These statements are made pursuant to 2 GAR Division 4 § 11103(b).
/ W/W/
Jesse Munoz Sales Manago
Signature of one of the following
Offeror, if the offeror is an individual
Partner, if the offeror is a partnership
Officer, if the offeror is a corporation.
Subscribed and sworn to before me
this ^{27th} day of November , 201 . 2023
\ \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
myen
NOTARY PUBLIC)
My commission expires DECEMBER 02, 2014.

AG Procurement Form 005 (Jul. 12, 2010)

MARY ROSE S. REAL
NOTARY PUBLIC
In and for Guam, U.S.A.
My Commission Expires: DEC. 02, 2024
P.O. Box 167 Har atna, Guam 96932

DECLARATION RE COMPLIANCE WITH U.S. DOL WAGE DETERMINATION

Procurement No. GSWA-004	C-24
Name of Offeror Company Morrco	Equipment LLC
I, Jesse Munoz	hereby certify under penalty
of perjury:	
(1) That I am an Officer of the offer of the offeror] making the bid or	proposal in the foregoing identified procurement.
(2) That I have read and understand the	provisions of 5 GCA § 5801 and § 5802 which read:
C COO1 331 D 4 11 11	PART L

§ 5801. Wage Determination Established.

In such cases where the government of Guam enters into contractual arrangements with a sole proprietorship, a partnership or a corporation ("contractor") for the provision of a service to the government of Guam, and in such cases where the contractor employs a person(s) whose purpose, in whole or in part, is the direct delivery of service contracted by the government of Guam, then the contractor shall pay such employee(s) in accordance with the Wage Determination for Guam and the Northern Mariana Islands issued and promulgated by the U.S. Department of Labor for such labor as is employed in the direct delivery of contract deliverables to the government of Guam.

The Wage Determination most recently issued by the U.S. Department of Labor at the time a contract is awarded to a contractor by the government of Guam shall be used to determine wages, which shall be paid to employees pursuant to this Article. Should any contract contain a renewal clause, then at the time of renewal adjustments, there shall be made stipulations contained in that contract for applying the Wage Determination, as required by this Article, so that the Wage Determination promulgated by the U.S. Department of Labor on a date most recent to the renewal date shall apply.

§ 5802. Benefits.

In addition to the Wage Determination detailed in this Article, any contract to which this Article applies shall also contain provisions mandating health and similar benefits for employees covered by this Article, such benefits having a minimum value as detailed in the Wage Determination issued and promulgated by the U.S. Department of Labor, and shall contain provisions guaranteeing a minimum of ten (10) paid holidays per annum per employee.

(3) That the offeror is in full compliance with 5 GCA § 5801 and § 5802, as may be applicable to the procurement referenced herein.

(4) That I have attached the most recent wage determination applicable to Guarn issued by the U.S. Department of Labor. [INSTRUCTIONS - Please attach!]

Jesse Munoz Sales

Manage

Signature

AG Procurement Form 006 (Feb. 16, 2010)

AFFIDAVIT re CONTINGENT FEES

CITY OF Tainuning
) ss. ISLAND OF GUAM)
Jesse Munoz [state name of affiant signing below], being first duly
sworn, deposes and says that
I. The name of the offering company or individual is [state name of company] Morroo Equipment LLC
2. As a part of the offering company's bid or proposal, to the best of my knowledge, the offering company has not retained any person or agency on a percentage, commission, or other contingent arrangement to secure this contract. This statement is made pursuant to 2 GAR Division 4 11108(f).
3. As a part of the offering company's bid or proposal, to the best of my knowledge, the offering company has not retained a person to solicit or secure a contract with the government of Guam upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, except for retention of bona fide employees or bona fide established commercial selling agencies for the purpose of securing business. This statement is made pursuant to 2 GAR Division 4 11108(h).
4. I make these statements on behalf of myself as a representative of the offeror, and on behalf of the offeror's officers, representatives, agents, subcontractors and employees. Jesse Munoz Bales Manager Signature of one of the following Offeror, if the offeror is an individual, Partner, if the offeror is a partnership. Officer, if the offeror is a corporation.
Subscribed and sworn to before me
NOTARY PUBLIC My commission expires Secretary and American Secretary Association (1997).
MARY ROSE S. REAL NOTARY PUBLIC In and for Guam, U.S.A. My Commission Expires: DEC. 02, 2024 P.O. Box 167 Haratna, Guam 96932

CERTIFICATION OF NON-EMPLOYMENT OF CONVICTED SEXUAL OFFENDERS

Pursuant to Guam Public Law 28-24, as amended by Guam Public Law 28-98, if a contract for services is awarded to an Offeror, then the service provider must warrant that no person in its employment who has been convicted of a sex offense under the provisions of Chapter 25 of Title 9 of the Guam Code Annotated or of an offense defined in Article 2 of Chapter 28 of Title 9 of the Guam Code Annotated, or who has been convicted in any other jurisdiction of an offense with the same elements as heretofore defined, or who is listed on the Sex Offender Registry, shall provide services on behalf of the service provider while on government of Guam property. with the exception of public highways. If any employee of a service provider is providing services on government property and is convicted subsequent to an award of a contract, then the service provider warrants that it will notify the GSWA of the conviction within twenty-four hours of the conviction and will immediately remove such convicted person from providing services on government of Guam property. If the service provider is found to be in violation of any of the provisions of this paragraph, then the GSWA will give notice to the service provider to take corrective action. The service provider shall take corrective action within twenty-four hours of notice from the GSWA, and the service provider shall notify the GSWA when action has been taken. If the service provider fails to take corrective steps within twenty-four hours of notice from the GSWA, then the GSWA in its sole discretion may suspend temporarily any contract for services.

[,J	esse Munoz	being a duly authorized representative of the Offeror,
	(print name)	
_	nese requirements, and	escribed above, have ensured that the Proposal as submitted d certify that if awarded the contract, the Offeror will follow
Morrco Equ	ipment LLC	
		(Company Name)
Sales Man	eger (Fitle)	11/27/23
	(Signature)	(Date)

GOVERNMENT OF GUAM

GENERAL TERMS AND CONDITIONS

SEALED BID SOLICITATION AND AWARD

ONLY THOSE BOXES CHECKED BELOW ARE APPLICABLE TO THIS BID

[x] 1. AUTHORITY:

This solicitation is issued subject to all the provisions of the Guam Procurement Act (5GCA, Chapter 5) and the Guam Procurement Regulations (copies of both are available at the Office of the Complier of laws, Department of Law, copies available for inspection at the Guam Solid Waste Authority). It requires all parties involved in the Preparation, negotiation, performance, or administration of contracts to act in good faith.

- [x] 2. **GENERAL INTENTION:** Unless otherwise specified, these General Terms and conditions are intended for the bidder to provide the Government of Guam (Government) with specified services or with materials, supplies or equipment completely assembled and ready for use.
- [x] 3. TAXES: Bidders are cautioned that they are subject to Guam Income Taxes as well as all other taxes on Guam transactions. Specific information on taxes may be obtained from the Director of Revenue and Taxation.
- [x] 4. **LICENSING:** Bidders are cautioned that the Government will not consider for award any offer submitted by a bidder who has not complied with the Guam Licensing law. Specific information on licenses may be obtained from the Director of Revenue and Taxation.
- [x] 5. **LOCAL PROCUREMENT PREFERENCE:** All procurement of supplies and services where possible, will be made from among businesses licensed to do business on Guam in accordance with section 5008 of the Guam Procurement Act (5GCA, Chapter 5) and Section 1104 of the Guam Procurement Regulations.
- [x] 6. COMPLIANCE WITH SPECIFICATIONS AND OTHER SOLICITATION REQUIREMENTS: Bidders shall comply with all specifications and other requirements of the Solicitation.
- [] 7. "ALL OR NONE" BIDS: Unless otherwise allowed under this Solicitation, "all or none" bids may be deemed to be non-responsive. If the bid is so limited, the Government may reject part of such proposal and award on the remainder.

NOTE: By checking this item, The Government is requesting all of the bid items to be items to be bided or none at all. The Government will not award on an itemized basis. Reference 3-101.06 of the Guam Procurement Regulations.

- [x] 8. INDEPENDENT PRICE DETERMINATION: The bidder, upon signing the Invitation for Bid, certifies that the prices in his bid were derived without collusion, and acknowledges that collusion and anti-competitive practices are prohibited by law. Violations will be subject to the provision of Section 5651 of that of the Guam Procurement Act. Other existing civil, criminal or administrative remedies are not impaired and may be in addition to the remedies in Section 5651 of the Government code. By submitting a bid, the bidder certifies that its price was independently arrived at without collusion.
- [x] 9. **BIDDER'S PRICE**: The Government will consider not more than two (2) (basic and Alternate) item prices and the bidder shall explain fully each price if supplies, materials, equipment, and/or specified services offered comply with specifications and the products origin. Where basic or alternate bid meets the minimum required specification, cost and other factors will be considered. Failure to explain this requirement will result in rejection of the bid.
- [x] 10. BID ENVELOPE: Envelope shall be sealed and marked with the Bidder's name, Bid number, time, date and place of Bid opening.
- [x] 11. BID GUARANTEE REQUIREMENT: Bidder is required to submit a Bid Guarantee Bond or standby irrevocable Letter of Credit or Certified Check or Cashier's Check in the same bid envelope to be held by the Government pending delivery of items being procured. The Bid Guarantee Bond, Letter of Credit, Certified Check or cashier's check must be issued by any local surety or banking institution licensed to do business on Guarn and made payable to the Guarn Solid Waste Authority in the amount of fifteen percent (15%) of the total bid offer. The Bid Bond must be submitted on Government Standard Form BB-1 (copy enclosed). Personal Checks will not be accepted as Bid Guarantee. If a successful Bidder (contractor) withdraws from the bid or fails to enter into contract within the prescribed time, such Bid guarantee will be forfeited to the Government of Guarn Bids will be disqualified if not accompanied by Bid Bond, Letter of Credit, Certified Check or Cashier's Check. Bidder must include in his/her bid, valid copies of a Power of Attorney from the Surety and a Certificate of Authority from the Government of Guarn to show proof that the surety company named on the bond instrument is authorized by the Government of Guarn to be qualified to do business on Guarn. For detailed information on bonding matters, contact the Department of Revenue and Taxation. Failure to submit a valid Power of Attorney and Certificate of Authority on the surety is cause for rejection of bid. (GPR Section 3109(c)(3)) Pursuant to 5 GCA Section 5212, all competitive sealed bidding for the procurement of supplies or services exceeding \$25,000 must be accompanied by bid security in the amount of 15% of the total bid price.
- [x] 12. PERFORMANCE GUARANTEE: Bidders, who are awarded a contract under this solicitation, guarantee that goods will be delivered or required services performed within the time specified. Failure to perform the contract in a satisfactory manner may be cause for suspension or debarment from doing business with the Government and for enforcement of Section 23 of these General terms and Conditions. In addition, the Government will hold the Vendor liable and will enforce the requirements as set forth in Section 41 of these General Terms and Conditions.
- [x] 13. SURETY BONDS: Bid and Performance Bonds coverage must be signed or countersigned in Guam by a foreign or alien surety's resident general agent. The Surety must be an Insurance Company, authorized by the Government of Guam and qualified to do business in Guam. Bids will be disqualified if the Surety Company does not have a valid Certificate of Authority from the Government of Guam to conduct business in Guam.

- [x] 14. COMPETENCY OF BIDDERS: Bids will be considered only from the such bidders who, in the opinion of the Government, can show evidence of their ability, experience, equipment, and facilities to render satisfactory service.
- [x] 15. **DETERMINATION OF RESPONSIBILITY OF BIDDERS:** The Guam Solid Waste Authority reserves the right for securing from bidders information to determine whether or not they are responsible and to inspect plant site, place of business, and supplies and services as necessary to determine their responsibility in accordance with Section 15 of these General Terms and Conditions (GPR Section 3-401).
- [x] 16. STANDARD FOR DETERMINATION OF LOWEST RESPONSIBLE BIDDER: In determining the lowest responsible offer, the Guam Solid Waste Authority shall be guided by the following:
 - a) Price of items offered.
 - The ability, capacity, and skill of the Bidder to perform.
 - c) Whether the bidder can perform promptly within the specified time.
 - d) The quality of performance of the Bidder with regards to awards previously made to him.
 - e) The previous and existing compliance by the Bidder with laws and regulations relative to procurement.
 - f) The sufficiency of the financial resources and ability of the Bidder to perform.
 - g) The ability of the bidder to provide future maintenance and services for the subject of the award
 - h) The compliance with all of the conditions to the Solicitation.
- [x] 17. TIE BIDS: If the bids are for the same unit price or total amount in the whole or in part, the Chief Procurement Officer will determine award based on 2 GAR, Div. 4, § 3109(o) (2) or to reject all such bids.
- [x] 18. BRAND NAMES: Any reference in the Solicitation to manufacturer's Brand Names and number is due to lack of a satisfactory specification of commodity description. Such preference is intended to be descriptive, but not restrictive and for the sole purpose of indicating to prospective bidders a description of the article or services that will be satisfactory. Bids on comparable items will be considered provided the bidder clearly states in his bid the exact articles he is offering and how it differs from the original specification.
- [x] 19. CONTRACT AWARD: In accordance with 5 GCA § 5211(g) and 2 GARR § 3109(n), after bids are publicly opened, an award will be made with reasonable promptness by written notice to the lowest responsible and responsive bidder whose bid meets the requirements and criteria set forth in the Invitation for Bids. The award will be made by
 - [] Purchase Order
 - [x] Standard Form Contract
- [x] 20. **DESCRIPTIVE LITERATURE:** Descriptive literature(s) as specified in this solicitation must be furnished as a part of the bid and must be received at the date and time set for the opening Bids. The literature furnished must clearly identify the item(s) in the Bid. The descriptive literature is required to establish for the purpose of evaluation and award details of the product(s) the bidder proposes to furnish including design, materials, components, performance characteristics, methods of manufacture, construction, assembly or other characteristics which are considered appropriate, Rejection of the Bid will be required if the descriptive literature(s) do not show that the product(s) offered conform(s) to the specifications and other requirements of this solicitation. Failure to furnish the descriptive literature(s) by the time specified in the Solicitation will require rejection of the bid.
- [] 21. SAMPLES: Sample(s) of the item(s) specified in this solicitation must be furnished as a part of the bid and must be received at the date and time set for opening Bids. The sample(s) should represent exactly what the bidder proposes to furnish and will be used to determine if the item(s) offered complies with the specifications. Rejection of the Bid will be required if the sample(s) do not show that the product(s) offered conform(s) to the specifications and other requirements of this solicitation. Failure to furnish the sample(s) by the time specified in the Solicitation will require rejection of the Bid.
- [] 22. LABORATORY TEST: Successful bidder is required to accompany delivery of his good with a Laboratory Test Report indicating that the product he is furnishing the Government meets with the specifications. This report is on the bidder's account and must be from a certified Testing Association.
- [X] 23. AWARD, CANCELLATION, & REJECTION: Award shall be made to the lowest responsible bidder, whose bid is determined to be the most advantageous to the Government, taking into consideration the evaluation factors set forth in this solicitation. No other factors or criteria shall be used in the evaluation. The right is reserved as the interest of the Government may require to waive any minor irregularity in bid received. The Guam Solid Waste Authority shall have the authority to award, cancel, or reject bids, in whole or in part for any one or more items if he determines it is in the public interest. In case of an error in the extension of prices, unit price will govern. It is the policy of the Government to award contracts to qualified local bidders. The Government reserves the right to increase or decrease the quantity of the items for award and make additional awards for the same type of items and the vendor agrees to such modifications and additional awards based on the bid prices for a period of thirty (30) days after original award. No award shall be made under this solicitation which shall require advance payment or irrevocable letter of credit from the government (GPR Section 3-202.14.1)
- [] 24. MARKING: Each outside container shall be marked with the Purchase Order number, item number, brief item description and quantity. Letter marking shall not be less than %" In height.
- [x] 25. SCHEDULE FOR DELIVERY: Successful bidder shall notify the Guam Solid Waste Authority, Telephone No. 647-4312 at least twenty-four (24) hours before delivery of any item under this solicitation.
- [] 26. BILL OF SALE: Successful supplier shall render Bills of Sale for each item delivered under this contract. Failure to comply with this requirement will result in rejection of delivery. The Bill of Sale must accompany the items delivered but will not be considered as an invoice for payment. Supplier shall bill the Government in accordance with billing instructions as indicated on the Purchase Order.
- [] 27. MANUFACTURER'S CERTIFICATE: Successful bidder is required, upon delivery of any item under this solicitation, to furnish a certificate from the manufacturer indicating that the goods meet the specifications. Failure to comply with this request will result in rejection of delivery or payment. Supplier shall bill the Government in accordance with billing instructions as indicated on the Purchase Order.
- [x] 28. **INSPECTION:** All supplies, materials, equipment, or services delivered under this contract shall be subject to the inspection and/or test conducted by the Government at destination. If in any case the supplies, materials, equipment, or services are found to be

defective in material, workmanship, performance, or otherwise do not conform with the specifications, the Government shall have the right to reject the items or require that they be corrected. The number of days required for correction will be determined by the Government.

- [] 29. MOTOR VEHICLE SAFETY REQUIREMENTS: The Government will only consider Bids on motor vehicles which comply with the requirements of the National Traffic and Motor Vehicle safety Act of 1966 (Public Law 89-563) and Clean Air Act as amended (Public Law 88-206), that are applicable to Guam. Bidders shall state if the equipment offered comply with these aforementioned Federal Laws.
- [] 30. SAFETY INSPECTIONS: All motor vehicles delivered under this contract must pass the Government of Guam Vehicle Inspection before delivery at destination.

[x] 31. GUARANTEE:

- a) Guarantee of Vehicle Type of Equipment
 - The successful bidder shall guarantee vehicular type of equipment offered against defective parts, workmanship, and performance, for a period of not less than one (1) year after date of receipt of equipment. Bidder shall also provide service to the equipment for at least one (1) year. Service to be provided shall include, but will not be limited to tune ups (change of spark plugs, contact points and condensers) and lubrication (change of engine and transmission oil). All parts and labor shall be at the expense of the bidder. All parts found defective and not caused by misuse, negligence or accident within the guarantee period shall be repaired, replaced, or adjusted within six (6) working days after notice from the Government and without cost to the Government. Vehicular type of equipment as used in this context shall include equipment used for transportation as differentiated from tractors, backhoes, etc.
 - Ouarantee of Other Type of Equipment:

 The successful bidder shall guarantee all other types of equipment offered, except those mentioned in 31a, above, against defective parts, workmanship, and performance for a period of not less than three (3) months after date of receipt of equipment. Bidder shall also provide service to the equipment for at least three (3) months. All parts found within that period shall be repaired or replaced by the Contractor without cost to the Government. Repairs, adjustments or replacements of defective parts shall be completed by the contractor within six (6) working days after notice from the Government.
- (c) Compliance with this Section is a condition of this Bid.
- [x] 32. REPRESENTATION REGARDING ETHICS IN PUBLIC PROCUREMENT: The bidder or contractor represents that it has not knowingly influenced and promises that will not knowingly influence a Government employee to breach any of the ethical standards and represents that it has not violated, is not violating, and promises that it will not violate the prohibition against gratuities and kickbacks set forth on Chapter 11 (Ethics in Public Contracting) of the Guam Procurement Act and in Chapter 11 of the Guam Procurement Regulations.
- [x] 33. REPRESENTATION REGARDING CONTINGENT FEES: The contractor represents that it has not retained a person to solicit or secure a Government contract upon and agreement or understanding for a commission, percentage, brokerage, or contingent fee, except for retention of bona fide employees of bona fide established commercial selling agencies for the purpose of securing business (GPR Section 11-207).
- [x] 34. **EQUAL EMPLOYMENT OPPORTUNITY:** Contractors shall not discriminate against any employee or applicant of employment because of race, color, religion, se, or national origin. The contractor will take affirmative action to ensure that employees are treated equally during employment without regards to their race, color, religion, sex, or national origin.
- [x] 35. COMPLIANCE WITH LAWS: Bidders awarded a contract under this Solicitation shall comply with the applicable standard, provisions, and stipulations of all pertinent Federal and/or local laws, rules, and regulations relative to the performance of this contract and the furnishing of goods.
- [] 36. CHANGE ORDER: Any order issued relative to awards made under this solicitation will be subject to and in accordance with the provisions of Section 6-101-03.1 of the Guam Procurement Regulations
- [x] 37. STOP WORK ORDER: Any stop work order issued relative to awards made under this solicitation will be subject to and in accordance with the provisions of Section 6-101-04.1 of the Guam Procurement Regulations.
- [x] 38. CANCELLATION OF INVITATION FOR BIDS OR REQUEST FOR PROPOSALS: Any Invitation for Bid may be cancelled, or any or all bids or proposals may be rejected in whole or in part as may be specified in the solicitation, when it is in the best interests of the Territory in accordance with regulations promulgated by the Policy Office. The reasons therefor shall be made part of the contract file.
- [x] 39. TIME FOR COMPLETION: It is hereby understood and mutually agreed by and between the contractor and the Government that the time for delivery to final destination or the timely performance of certain services is an essential condition of this contract. If the contractor refuses or fails to perform any of the provisions of this contract within the time specified in the Purchase Order (from the date Purchase Order is acknowledged by the vendor), then the contractor is in default. Defaults will be treated subject to and in accordance with the provisions of Section 6-101-08 of the Guam Procurement Regulations.
- [x] 40. JUSTIFICATION OF DELAY: Bidders who are awarded contracts under this Solicitation, guarantee that the goods will be delivered to their destination or required services rendered within the time specified. If the bidder is not able to meet the specified delivery date, he is required to notify the Guam Solid Waste Authority of such delay. Notification shall be in writing and shall be received by the Guam Solid Waste Authority at least twenty-four (24) hours before the specified delivery date. Notification of delay shall include an explanation of the causes and reasons for the delay including statement(s) from supplier or shipping company causing the delay. The Government reserves the right to reject delay justification if, in the opinion of the Chief Procurement Officer, such justification is not adequate.
- [x] 41. SERVICE-DISABLED VETERAN OWNED BUSINESS PREFERENCE: Bidding is subject to the policy in favor of Service-Disabled Veteran Owned Business as defined in 5 GCA sections 5011 and 5012.
- [x] 42. LIQUIDATED DAMAGES: When the contractor is given notice of delay or nonperformance as specified in Paragraph 1 (Default) of the Termination for Default Clause of this contract and fails to cure in the time specified, the contractor shall be liable for

damages for delay in the amount of one-fourth of one percent (I%) of outstanding order per calendar day from date set for cure until either the territory reasonable obtains similar supplies or services if the contractor is terminated for default, or until the contractor provides the supplies or services if the contractor is not terminated for default. To the extent that the contractor's delay or nonperformance is excused under Paragraph 15 (Excuse for Nonperformance or Delayed Performance) of the Termination for Default Clause of this contract, liquidated damages shall not be due the territory. The contractor remains liable for damages caused other than by delay. 2 GAR, Div. 4 §6101(d).

- [x] 43. PHYSICAL LIABILITY: If it becomes necessary for the Vendor, either as principal, agent or employee, to enter upon the premises or property of the Government of Guam in order to construct, erect, inspect, make delivery or remove property hereunder, the Vendor hereby covenants and agrees to take, use, provide and make all proper, necessary and sufficient precautions, safeguards and protections against occurrence of any accidents, injuries or damages to any person or property during the progress of the work herein covered, and to be responsible for, and to indemnify and save harmless the Government of Guam from the payment of all sums of money by reason of all or any such accidents, injuries, or damages that may occur upon or about such work, and fines, penalties and loss incurred for or by reasons of the violations of any territorial ordinance, regulations, or the laws of Guam or the United States, while the work is in progress. Contractor will carry insurance to indemnify the Government of Guam against any claim for loss, damage or injury to property or persons arising out of the performance of the Contractor or is employees and agents of the services covered by the contract and the use, misuse or failure of any equipment used by the contractor or his employees or agents, and shall provide certificates of such insurance to the Government of Guam when required.
- [x] 44. Contract will be cancelled if funds not appropriated or insufficient, and that government will timely inform contractor. 2 GAR, Div.4 §3121(e) (1) (C) and 2 GAR, Div. 4 §3121 (e)(1)(D).

[x] 45. CONTACT FOR CONTRACT ADMINISTRATION: If ye	our firm receives a contract as a result of this Solicitation, Please
designate a person whom we may contact for prompt administration.	
1 10 1	
Name: Jesse Munoz	Title: Sales Manager
Address: Morrico Equipment LLC	Telephone: (671)649-1946
197 Ypao Road,	
Tamuning, Guam 96913	



LOURDES A. LEON GUERRERO

JOSHUA F. TENORIO





NO	DESCRIPTION	QTY	UOM	UNIT PRICE	PRICE EXTENSION
1.0	Compact Wheel Loader w/ Attachments	ı	EA	s 180,557.00	s 180,557.00

SPECIFICATIONS:

Indicate on each line of the technical specifications whether or not each item complies with the specification or an exception is being taken. If additional space is required to fully explain bid exceptions, attach additional typed page(s) to the bid submittal indicating the section number and subsection that has the exception, and provide explanation.

	COMPLY / NON-COMPLIANCE
Engine: Gross HP at 2400 RPM: 73 HP minimum	Comply
Peak Torque at 1560 RPM: 206 foot lbs. minimum	Comply
Emissions: Compliant with EPA Final Tier 4/EU Stage V	Comply
Four cylinders	Comply
Powertrain: Hydrostatic with infinitely variable speed control over full range of operating speeds. 2 speed ranges, joystick mounted F-N-R, acceleration pedal.	Comply
Axles: Fixed, 100% differential, manually engaged front axle, fixed conventional differential rear axle or oscillating rear axle	Comply
Max rise and fall single wheel: 15 inches maximum, 14 inch minimum	Please see attached letter of deviation
Hydraulically activated, self-adjusting internal wet disc brakes and driveline drum brake	Comply
Cooling: Hydraulically driven, proportionally controlled fan or belt- driven fan	Please see attached letter of deviation
Articulation Angle: 30 degrees each direction	Comply
Cylinders: Heat treated chrome plated polished cylinder rods, hardened steel, replaceable bushings and pivot pins	Comply
Hydraulics: Main pump (loader and steering): 18 GPM standard, 29 GPM with high flow option.	Comply
Quick Coupling: Conforms with ISO 16028 quick coupling for all attachments	Comply
Electrical:	Comply
Voltage: 12-volt or 24-volt electrical system	Comply
Battery: One (1) 24-volt or two (2) 12-volt	Comply
Battery capacity: One (1) 925 CCA or Two (2) 900 CCA	
Cab:	Comply
Seat: Air ride high back with head rest and dual lumbar support or mechanical suspension seat	Comply

Noise: Operator ear 70 dBA, Bystander 101 dBA



COURDES A LEON GUERRERO Governor of Guarri

JOSHUA F. TENORIO

IRVIN L. SLIKE General Nanager



	COMPLY / NON-COMPLIANCE
Air conditioning	Comply
Steering: Dual tilt and telescoping steering column	Comply
Performance: Conforms with SAE J1040, SAE J231, ISO 3471 and ISO 3449 ROPS/FOPS	Comply
Operating Weight: ISO quick coupler and 1CY general purpose bucket / bolt on edge 12,250 lbs. minimum	Comply
1.4 CY multi-purpose bucket: 12,800 lbs. maximum	Please see attached Letter of Deviation
Wheelbase: 7 feet minimum	Comply
Dump clearance: 40-degree full height - 8 feet 3 inches	Comply
Reach: 40-degree full height - 32 inches	Comply
Fork height fully raised: 10 feet minimum	Comply
Fork tipping load straight: 7000 lb. maximum	Comply
Attachments: ISO quick coupling mechanism: Conforms with ISO 16028	Comply
One (1) additional 1.4 CY bucket with bolt on edge	Please see attached Letter of Deviation
One (1) Tink claw bucket model 520 or equal	Comply
One (1) 60-inch pick-up broom: 800 lb. minimum; 900 lb. max	Please see attached Letter of Deviation
One (1) Fork: 48 inches minimum	Comply
Equipment Warranty: The Bidder guarantees to the Purchaser that the equipment, upon delivery, will be brand new and will have been constructed using entirely new components. Furthermore, the Bidder assures that any new equipment provided shall be free from any defects in manufacturing workmanship and materials for a duration of 24 months or 2,000 hours, whichever occurs first, commencing from the date of equipment delivery. This warranty encompasses any necessary repairs or replacements without any additional cost to the Purchaser.	
Miscellaneous Items: One (1) operator's manual hardcopy	Comply
One (1) operator's manual on CD	Please see attached Letter of Deviation
One (1) complete illustrated parts book	Comply
One (1) shop repair manual	Comply
One (1) warranty manual	Please see attached Letter of Deviation
Manufacturer's training of GSWA crew (8 hours) & contracted mechanics (20 hours)	Comply
Online manual for parts, service & repair	Please see attached Letter of Deviation



Delivered with a	full tank of fuel	Comply
Note: The GSA Fed	eral Contract will be considered a	long with its terms and conditions if offered.
Bidding On: Manufacturer:	Case / Paladin / Werk Bra	u / Tink Inc.
Year:	2024	
Model:	221F / QB961L / WBLH92	125 / C520 / 21560
Place of Origin:	United States of America	
Date of Delivery:	200 Days	



Sales, Rental, Parts and Service



197 Ypao Road, Tamuning

Guam 96913



Phone: 1-671-649-1946 FAX: 1-671-649-1947

SPARE PARTS:

Phone: 1-671-646-7914

WEB:

Fax: 1-671-646-7900 www.morricoequipment.com











To

: Irvin Slike

General Manager

Guam Solid Waste Authority 546 North Marine Corps Drive Tamuning, Guam 96913

Email: Procurement @gswa.guam.gov

Date

: December 5, 2023

From

: Paul Eustaquio / Ross Morrison

Pages: 1 of 2

RE

: Equipment Proposal "New" Case 221F Compact Loader with Attachments

Dear Sir,

We provide the following proposal and attached specifications for your review and consideration.

Compact Loader "New"

Make:

Case

Year:

2024

Model:

221F

Engine:

74 Hp, Diesel Liquid-Cooled US Emission Certified Tier 4 Final **4WD Hydrostatic Transmission**

Transmission: Bucket:

82 Inch @ 1 CU Yd3 with Bolt on Cutting Edge

Operating Weight:

12,547 lbs.

Tire Size:

365/80 R18 (Front and Back)

Wheel Base:

87.6 Inches

Dump Clearance:

8 Foot 3 Inches **Enclosed Cabin with Air Conditioner**

Standard Lights SSL Quick Coupler

Back up Alarm

Operators Manual

Case Manufacturer Warranty 24 Months / 2000 Hours

Attachments Included

- 1) Werk Brau 1.38 CY Multipurpose Bucket
- 2) Werk Brau 1.25 CY General Purpose Bucket
- 3) Case Bucket Broom Sweeper for Case Wheel Loader 221F
- 4) 520 Tink Claw Bucket
- 5) Case Fork Attachment with 48 Inch Tines











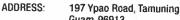
ON-SITE DIESEL DELIVERY



Sales, Rental, Parts and Service







Guam 96913

OFFICE: Phone: 1-671-649-1946 FAX: 1-671-649-1947

SPARE PARTS: Phone: 1-671-646-7914

Fax: 1-671-646-7900 WEB: www.morricoequipment.com













: Equipment Proposal "New" Case 221F Compact Loader with Attachments RE

Estimated Delivery:

"200-Days" As per bid specifications Subject to Factory Confirmation Subject to Shipping Schedules

Terms of Payment:

As Per Government Purchase Order

Quotation Is Valid For 120 Days

Full Parts and After Sale Service Available at Morrico Equipment, LLC. Factory Authorized Case New Holland Construction Equipment Dealer and Service Agents.

Please do not hesitate to contact us directly with any questions or concerns you may have. We can be reached at 649-1946 or via email at paul a morricoequipment.com

Looking forward to discussing this with you directly.

Regards,

Paul Eustaquio

Heavy Equipment Sales Morrico Equipment LLC paul a morricoequipment.com Cell (671) 483-0180

























Guam 96913

OFFICE: Phone: 1-671-649-1946 FAX: 1-671-649-1947

SPARE PARTS: Phone: 1-671-646-7914

Fax: 1-671-646-7900 WEB: www.morricoequipment.com







LETTER OF DEVIATION

To : Irvin Slike

General Manager

Guam Solid Waste Authority 546 North Marine Corps Drive Tamuning, Guam 96913

Email: Procurement@gswa.guam.gov Date: December 5, 2023

From : Paul Eustaquio / Ross Morrison Pages : 1 of 2

Re: Guam Solid Waste Authority Invitation for Bid GSWA-004-24 Compact Wheel Loader with Attachment

Dear Sir,

1. Max rise and fall single wheel: 15 Inch Maximum, 14 Inch Minimum

Deviation #1. Our Manufacturer Case has a Rise and fall single wheel of 11.8 Inches for their Case 221F Loader.

2. Hydraulically driven, proportionally controlled fan or belt-driven fan

Deviation #2. Our Manufacturer Case supplies a fan directly connected to the engine for their Case 221F Loader.

3. 1.4 CY multipurpose bucket; 12,800 lbs. maximum

Deviation #3. Our manufacturer Werk Brau supply a 1.38 CY Multipurpose Bucket. This is the closest size to a 1.4 CY Multipurpose Bucket that can be supplied.

4. One(1)additional 1.4 CY bucket with bolt on cutting edge

Deviation #4. Our manufacturer Werk Brau supply a 1.25 CY General Purpose Bucket. This is the closest size to a 1.4 CY General Purpose Bucket that can be supplied.

ON-SITE DIESEL DELIVERY













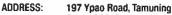












Guam 96913

OFFICE: Phone: 1-671-649-1946

FAX: 1-671-649-1947 SPARE PARTS: Phone: 1-671-646-7914

Fax: 1-671-646-7900 WFRwww.morricoequipment.com









Re: Guam Solid Waste Authority Invitation for Bid GSWA-004-24 Compact Wheel Loader with Attachment

Page 2 of 2

5. One (1) 60-Inch pick up broom: 800 lbs. minimum; 900 lbs. max

Deviation #5. Our manufacturer Paladin Atlachments's smallest pick up sweeper that can be supplied has a weight of 946 lbs.

6. One (1) Operator's manual on CD

Deviation #6. Morrico will supply a copy of the Operators Manual on a USB Drive.

7. One (1) Warranty Manual

Deviation #7. Our Manufacturer Case does not provide a warranty manual.

8. Online manual for parts, service, and repair

Deviation # 8. This is a dealer only item, only dealers are permitted to access the dealer portals. A digital copy of the parts, service, and repair manual will be supplied.

ON-SITE DIESEL DELIVERY

















LOURDES A LEÓN GUERRERO

JOSHUA F. TENORIO

IRVIN L. SLIKE General Manager



November 13, 2023

INVITATION FOR BID GSWA-004-24 COMPACT WHEEL LOADER W/ ATTACHMENTS

Questions and Concerns received from Far East Equipment Co. On November 9, 2023

1. In the specs under Powertrain, the spec reads "Max rise and fall single wheel: 15 inch maximum, 14 inch minimum." Will 10 inches be acceptable?

Response: No, specs remain the same.

2. In the specs under Cooling, the spec reads "Hydraulically driven, proportionally controlled fan." Will direct driven be acceptable?

Response: No, specs remain the same.

3. In the specs under Hydraulics, the spec reads "Main pump (loader and steering): 18 GPM standard, 29 GPM with high flow option." Will a max rated flow 21.13 GPM @ 1,000 PSI be acceptable?

Response: No, specs remain the same.

4. In the specs under Hydraulics, the spec reads "Main pump (loader and steering): 18 GPM standard, 29 GPM with high flow option." Can you clarify why there is a request for high flow option when the requested documents do no require high flow hydraulics?

Response: The pick-up broom specified requires the flow specified.

5. In the specs under Electrical, the spec reads 'Battery capacity: 925 CCA." Will 830 CCA be acceptable?

Response: No, specs remain the same.

Irvin L. Slike, General Manager

ACKNOWLEDGEMENT RECEIPT

Return to GSWA by email or fax

Received By

Date

Company Name Morrico Equipment

Fax to 671 649 3777

Email: procurement@gswa.guam.gov



LOURDES A. LEON GUERRERO

JOSHUA F. TENORIO

IRVIN L. SLIKE



November 14, 2023

INVITATION FOR BID GSWA-004-24 COMPACT WHEEL LOADER W/ ATTACHMENTS

Questions and Concerns received from Far East Equipment Co. On November 13, 2023

1. In regards to the high-flow hydraulics requirement for the broom attachment, John Deere's broom attachment does "NOT" require high-flow. Will high-flow still be required?

Response: The hydraulic flow range is typical for brooms.

2. What make and model machine was used to form the specs of this bid?

Response: John Deere model 244P.

Irvin L. Slike,

General Manager

In L Ilh

ACKNOWLEDGEMENT RECEIPT

Return to GSWA by ernall or fax

Received By

Date

Company Name Morrico Equipment

Fax to: 671 649 3777 Email: procurement@gswa.guam.gov



LOURDES A. LEON GUERRERO

JOSHUA F. TENORIO

TRVIN L SLIKE: Genaral Manager



November 20, 2023

INVITATION FOR BID GSWA-004-24 COMPACT WHEEL LOADER W/ ATTACHMENTS

Questions and Concerns received from Morrico Equipment on November 15, 2023

1. Axles: Fixed, 100% differential, manually engaged front axle, fixed conventional differential rear axle. Is an oscillating rear axle acceptable?

Response: Yes, refer to Amendment No. 2.

2. Max rise and fall single wheel: 15 inches maximum, 14 inches minimum. Please clarify what is required by the term listed above.

Response: The term "Max rise and fall single wheel: 15 inches maximum, 14 inches minimum" pertains to the vertical movement capability of a single wheel on the compact wheel loader. Here's a breakdown of the requirement:

- Max Rise: This refers to the maximum vertical distance the center of a single wheel is allowed to move upward from its resting position. In this context, the specified maximum rise is 15 inches.
- Min Fall: Conversely, the minimum fall denotes the minimum vertical distance the center of a single wheel is permitted to move downward from its resting position. For this specification, the minimum fall is 14 inches.

These parameters are crucial for ensuring that the compact wheel loader can effectively navigate varied terrains, accommodate different load sizes, and maintain stability during operation.

3. Hydraulically Driven, proportionally controlled fan. Will a belt driven fan be acceptable?

Response: Yes, refer to Amendment No. 2.

4. Voltage: 12-volt. Will a 24 Volt Electrical System be acceptable?

Response: Yes, refer to Amendment No. 2.

5. One (1) Battery. Will two 12-volt batteries be acceptable?

Response: Yes, refer to Amendment No. 2.

6. Battery Capacity: 925 CCA. Will two batteries with 900 CCA be acceptable?

Response: Yes, refer to Amendment No. 2.



LOURDES A LEON GUERRERO

JOSHUA F. TENORIO

IRVIN L SLIKE



7. Seat: Air Ride high back with head rest and dual lumbar support. Will a mechanical suspension seat be acceptable?

Response: Yes, refer to Amendment No. 2.

8. 1.4 CY Bucket: 12,800 lbs. Maximum. Please confirm if this bucket request is for a multipurpose bucket.

Response: Refer to Amendment No. 2.

 One (1) 1.4 CY Bucket with Bolt on Cutting Edge. Please confirm if this bucket request is for a Multipurpose Bucket. Please confirm if this is bucket request is additional to Question 8 bucket request or the same request.

Response: Refer to Amendment No. 2.

Questions and Concerns received from Far East Equipment Co. on November 17, 2023

10. The manufacturer of the Tink Claw bucket does not recommend the C720 (2.7CYD) model for this size machine. They recommend the C520 (1.2CYD) model for a machine of this size. With this information, does GSWA want to proceed with a C720 model bucket though it may pose a tipping hazard?

Response: No, refer to Amendment No. 2.

Irvin L. Slike, General Manager

In L Slike

ACKNOWLEDGEMENT RECEIPT

Return to GSWA by email or fax.

Received By

Faul Eustaguis

Date:

11/22/23

Company Name Morrice Equipment

Fax to: 671 649 3777

Email: procurement@gswa.guam.gov

GUAM SOLID WASTE AUTHORITY



LOURDES A. LEON GUERRERO

JOSHUA F. TENORIO

IRVIN L. SLIKE



IFB TIMETABLE:

The following IFB timetable should be used as a working guide for planning purposes. GSWA reserves the right to adjust this timetable as required during the course of the IFB process.

Registration Form for GSWA IFB Packet will be available on the Guam Solid Waste Authority website at www.gswa.guam.gov.	Friday, November 3, 2023
Deadline for Receipt of Written Questions must be e-mailed to the Guam Solid Waste Authority at procurement@gswa.guam.gov, ATTN: General Manager	Thursday, November 9, 2023 on or before 5:00PM Chamorro Standard Time
Deadline for Answers to Written Questions will be e-mailed to Offerors who registered.	Wednesday, November 14, 2023 on or before 5:00PM Chamorro Standard Time
Bid Due Date & Bid Opening at the Guam Solid Waste Authority: Administration Office, GSWA Bldg 2 nd Floor. 546 N. Marine Corps Dr., Tamuning, Guam	Monday, November 20, 2023 at 1:00PM Chamorro Standard Time





Sales, Rental, Parts and Service 197 Ypao Road, Tamuning, Guam 96913 www.morricoequipment.com Tel: 671-649-1946





ENGINE		
Model	FPT F5H FL463 A	
Emissions Certification	on Tier 4 Final	
Туре	4-stroke	
Cylinders	4	
Bore/Stroke	3,9 x 4.3 in (99 x 110 mm)	
Displacement	207 in ³ (3.4 L)	
Fuel injection	High pressure. common rail injection	
Fuel	Diesel	
Fuel filter	Spin on, Beta (4) = 20	
Air filter w/ war	Dry type element ning restriction indicator	
	as Recirculation (CEGR Exidation Catalyst (DOC)	
Radiator:		
Core type	Alt aluminum	
Fan: Style	Direct drive	
Lubrication/cooling oil pi	ump:	
Stvie	Integral	
Engine oil: Pump:		
& pressurized under		
Pump operating angle i		
Side-to-side	Rated 35°	
Fore and aft	Rated 35*	

Fan: Style	Direct drive
Lubrication/cooling oil pump Style	
2(A)S	Integral
Engine oil:	
Pump:	
Rotor Pump w/ deep su	imp pan, plate cooled
& pressurized under pis	ton nozzies
Pump operating angle ratio	ngs:
Side-to-side	Rated 35°
Fore and aft	Rated 35*
Oil filtration	Spin on, full flow
Engine speeds	RPM
Rated - full load	2500
Low idle	950
High idle - no load	2500
Horsepower @ 2500 RPM:	
Gross	74 hp (55 kW)
Net	70 hp (52 kW)
Peak torque @ 1400 RPM:	
Gross	232 lb-ft (314 N·m)
Net	227 lb-ft (308 N-m)

NOTE: Gross horsepower and torque per SAE J1349 Net horsepower and torque per SAE J1349

DRIVETRAIN	
Transmission	Hydrostatic transmission
Pump relief	6,092 psi (42 000 kPa)
Pump flow @ 2500 RP	M 37.0 gpm (140 L/min)
Differential: Open standard/limited	f slip or 100% lock opt.
Front axles: Differential ratio Planetary ratio Final axle ratio	3.67 6.00 22.00
Gear box: 1st ratio	2.46
Gear box HS: 1st ratio 2nd ratio	2.75 1.16
Planetaries	Outboard
Service brakes: Master cylinder hydra wet disc on front axle	ulically actuated,
Parking brake; Mechanical, caliper or	r front axle
Travel sneeds	Entward Reverse

rraver speeds	LOLMSIG	Hanal 26
	mph (kph)	mph (kph)
1st Low	3.3 (5.3)	5.3 (5.3)
2nd High	11.4 (18.3)	11.4 (18.3)
Travel speeds - HS	Forward	Reverse
	mph (kph)	mph (kph)
1st Low	3.0 (4.8)	3.0 (4.8)
2nd High	8.1 (13.0)	8.1 (13.0)
3rd High	18.6 (30.0)	18.6 (30.0)

NOTE: Travel speeds at full engine throttle w/ 365/80 R18 tires

ELECTRICAL	
Voltage	12 Volts
Alternator	120 amp
Batteries	95 AHR, 900 CCA

OPERATOR ENVIRONMENT

ROPS: ISO 3471: 2,008 lb (6 800 kg); Base and Deluxe Cab w/ heater and A/C; Key start; Articulated power steering w/ tilt column; Full adjustable, cloth suspension seat; Foot throttle; Single joystick w/ electronic speed shift control F/N/R switch and proportional loader control; Cup holder; Retractable seat belt; Storage tray on Deluxe Cab; Sun screen - front: Opening side window; Dome light; Wipers - front and rear; 12-volt auxiliary power; Lighter cigar and ashtray; Pocket cellular phone: Coat hook; External rearview mirrors; Loader control lockout

Electronic information center

Displays/Gauges:

Vehicle speed; Hourmeter: Floating functionality on: High flow functionality on; Clock; Vehicle directions; Gear number engaged; PM Catalyst icons.

Indicator lights:

Diff. lock; Main hydraulic enabled; Turn Ight left and right; Rear work lamps; Work lamps; Main high beam, Side lights: Stop; Warning signal; Rabbit; Hand brake: Brake fluid level; Quick coupler on; Ride Control on; Creep speed; PM Catalyst; Low fuel level; Clogging air filter; Engine oil pressure: Glow plug: Alternator changing.

Audible alarms:

Caution alarm; Critical alarm, Backup alarm.

NOTE: If equipped w/ option.

OPERATING WEIGHT

Unit equipped w/ ROPS/FOPS cab w/ heater, standard counterweight, 365/70 R18 Duniop Tires, front and rear fenders, 1.2 vd3 (0.9 m3) general purpose bucket w/ edge, full fuel, 165 lb (75 kg) operator:

12,547 lb (5 691 kg)

HYDRAULICS

Pump - steering/implement: Open-centered pressure/flow compensated

Fixed gear type:

Standard flow:

Max. 22.5 gpm @ 3.336 psi (Max. 85 L/min @ 230 bar)

Optional high flow:

Max. 34.3 gpm @ 2.901 psi (Max. 130 L/min @ 230 bar)

Loader control valve:

Open-center, Hydraulic Loader Centrol w/ single lever includes. Forward/Neutral/ Reverse switch, Floating switch, Low-High Travel mode switch, Auxiliary Function Roller

Loader auxiliary steering:

Hydraulic orbital center-pivot articulating w/ on-demand oil flow

Main relief pressure 3,336 psi (23 000 kPa)

Filtration:

15-micron, full flow replaceable cartridges on return line

SERVICE CAPACITIES	,
Fuel tank	22.7 gal (86.0 L)
Hydraulic system:	
Reservoir	10-6 gal (40.0 L)
Total	14.0 gal (53.0 L)
Front and rear axle:	
Front axle	2.3 gal (8.7 L)
Rear axle	2.6 gal (10.0 L)
Rear axle HS	2.5 gal (9.45 L)
Engine oil w/ filter	1-8 gal (7.0 L)
Cooling*	3.4 gal (13.0 L)

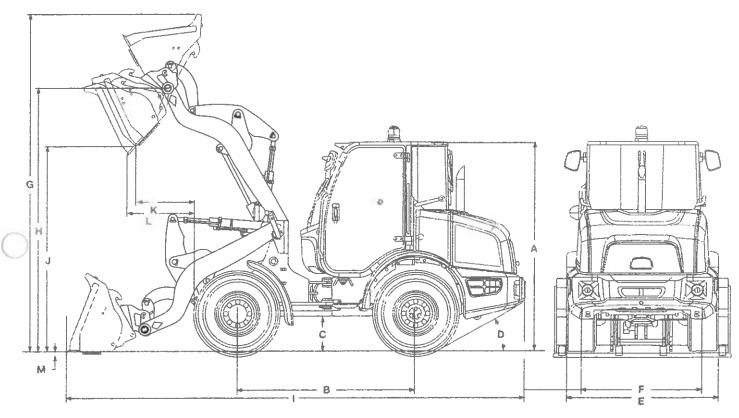
NOTE: *1.72 gal (6.5 L) antifreeze + 1.72 gal (6.5 L) water

OTHER SPECIFICAT	TONS	
Lift cylinders	Two (2)	
Bore diameter	3.25 in (82.5 mm)	
Rod diameter	1.97 in (50.0 mm)	
Stroke	29.57 in (751.0 mm)	
Tilt cylinder:		
Bore diameter	3,49 in (88.7 mm)	
Rod diameter	2.25 in (57.1 mm)	
Stroke	19.96 in (507.0 mm)	

Loader:	
Z-Bar:	
Z-Bar loader linkage	
Single control for lift and tilt	
Positive hold float	
Hydraulic attachment coupler:	
Skid steer compatible/horizontal	

pin compatible

Cycle time:	
Z-Bar:	
Raise w/ rated bucket load	5.8 sec
Dump w/ rated bucket load	1.7 sec
Lower - empty	3.8 sec



Line drawings are for illustrative purpose only and may not be exact representation of unit.

DIMENSIONS	
A. Height to top of ROPS cab	103.4 in (2 627 mm)
B. Wheelbase	87.6 in (2 225 mm)
C. Ground clearance under shaft	17.3 in (440 mm)
Ground clearence under axles	12.5 in (317 mm)
D. Angle of departure	27°
Width:	
E. Overall without bucket	73.2 in (1 860 mm)
F. Centerline tread	59.1 in (1 500 mm)
Turning radius - outside	157.0 in (3 987 mm)
Turning angle:	
From center	40°
Total angle	80°
Rear axle oscillation - total	20°
/	

PERFORMANCE SPECS		
221F Z-Bar	1.2 yd³ GP (0.9 m³) GP	1.56 yd ³ GP (1.2 m ³) Ll
	Bucket with Bolt-on Edge	Bucket with Bolt-on Edg
iSO bucket capacity – struck Heaped	0.92 yd ³ (0.7 m³) 1.18 yd ³ (0.9 m³)	1.31 yd³ (1.0 m 1.57 yd³ (1.2 m
Bucket width – outside	80.7 in (2 050 mm)	82.7 in (2.100 ms
	 	
Bucket weight - includes coupler and added components	1,060 lb (481 kg)	1,160 lb (526 kg
G. Operating height - fully raised with spillguard	170.4 in (4 327 mm)	176.0 in (4 470 mr
H. Hinge pin height - fully raised	129.5 in (3 290 mm)	129.5 in (3 289 mr
Overall length – bucket level on ground	231.1 in (5 869 mm)	234.8 in (5 964 mr
Dump angle – fully raised	48°	48
J. Dump height – fully raised, 45° dump	95,5 in (2 425 mm)	92.8 in (2 358 mm
K. Bucket reach - fully raised, 45° dump	40.2 in (1.020 mm)	42.8 in (1 087 mn
L. Bucket reach - 7 ft 0 in (2.13 m) height, 45° dump	51.5 in (1 309 mm)	51.9 in (1 318 mr
M. Dig depth	3.9 in (98 mm)	3.9 in (98 mr
Operating Load (ROC) - ISO	4,007 lb (1 818 kg)	3,984 lb (1 807 kg
Maximum material density - ISO	3,404 lb/yd³ (2 020 kg/m³)	2,538 lb/yd³ (1 506 kg/m
Tipping load – ISO:		
Straight	9.318 lb (4 227 kg)	9,287 lb (4 212 kg
40° turn	8,014 lb (3 635 kg)	7,968 lb (3 614 kg
Lift capacity:		
Full height	8,317 lb (3 773 kg)	8,217 lb (3 727 kg
Maximum reach	10.597 lb (4.807 kg)	10,497 lb (4 761 kg
Ground	12,975 lb (5 886 kg)	12,796 lb (5 804 kg
Breakout force with tilt cylinder	10,959 lb (4 971 kg)	9,109 lb (4 132 k)
Maximum rollback:		
© Ground	40°	4(
@ Carry position	46"	46
Maximum reach	62° 62°	ිරි ප්රක්ෂ කිරීම
@ Full height	The second secon	
Maximum grading angle with bucket – back dragging	58*	60
Loader clearance circle with bucket	368 9 in (9 371 mm)	373.4 in (9.484 mn

FORKS	
221F Z-Bar	
Fork length	47.2 in (1 200 mm)
Fork weight – includes coupler	880 lb (399 kg)
Operating load – level ground	5.002 lb (2 269 kg)
Operating mass	12.364 lb (5 608 kg)
Tipping load – straight	6.898 lb (3 129 kg)
Tipping load - 40° turn	6.252 lb (2 836 kg)
Fork load center	19.7 in (500 mm)



STANDARD EQUIPMENT

OPERATOR ENVIRONMENT

See page 1

ENGINE

FPT F5H FL463 A Fuel filter with water trap Dual element air cleaner

LOADER

See page 2

DRIVETRAIN

4-wheel drive

Open - front and rear axies

Hydrostatic transmission

Single joystick with electronic speed shift

control F/N/R switch and proportional loader control

Outboard planetary axles

Hydraulic wet disc brakes

Mechanical parking brake

HYDRAULICS

3-spool loader control valve

3 Diagnostic quick couplers

Adjustable electro hydraulic (EH) loader controls Smooth, moderate & aggressive settings for both lift and tilt responsiveness:

Return to Dia

Hydraulic skid steer compatible coupler

Connect under pressure connectors

Remote drain of hydraulic oil

Aux. Hydraulic drain line coupling Auxiliary flow

22.5 gpm @ 3,336 psi (85 l/min @ 230 bar)

OTHER

Front and rear fenders

Liahts:

2 Front driving headlights - high/low beam

2 Rear flood lights

2 Stop tail lights and backup light

Front and rear turn signal/flash

Drawbar pin

Articulation locking pin

Tie-down and Lift-up point - front and rear

Backup alarm

Tool box

Rotating beacon

Wired for radio

Bucket position indicator

Front electrical socket for

powered attachments

OPTIONAL EQUIPMENT

OPERATOR ENVIRONMENT

Creep speed

0 - 3.1 mph (5 kph)

TeleScop adjustable steering column on

Deluxe Cab

Canopy cab

Limited slip - front and rear axles

100% lock - front and open rear axles

Horizontal pin coupler

Radio, antenna, and speakers

LOADER

Optional High flow:

Max. 34:3 gpm @ 2500 RPM @ 2,901 psi

(Max. 130 L/min @ 2500 RPM @ 20 000 kPa)

Buckets -- see performance data General purpose standard

General purpose light material

STD forks

Auto Ride Control

Cold weather with Block Heater - Two 680 CCA batters and Low-temp Hytran oil

TIRES

14.5-20MPT-04 MITAS

365/80 R20 SPT9 L2(DL)

365/70 R18 SPT9 L2 DUNL, - Standard

12.5-20 10PRMPT04TBL MITAS

365/80 R20 EM MITAS

365/70 R18 EM MITAS

550/45 R22.5 Flotation Tire

360/80 Nokian Tri 2 Snow

OTHER

CASE SiteWatch Telematics LED work lights, 2 front and 2 Rear



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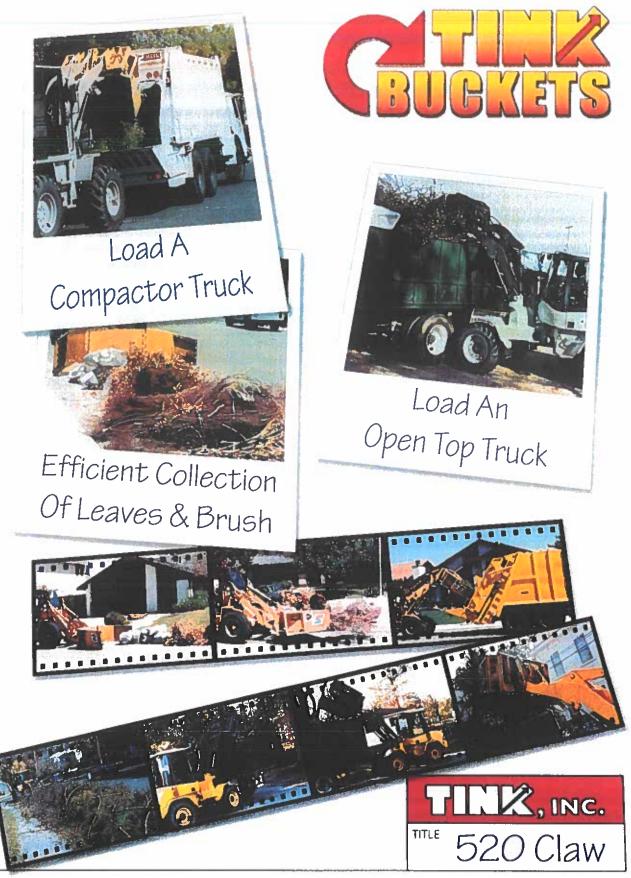


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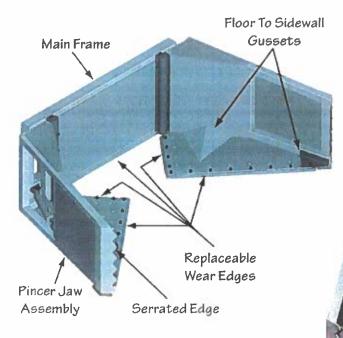
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Piano Hinge Construction

DESIGN FEATURES



Tink 520 Claw

A special loader bucket that scoops leaves and loose garden waste out of the gutter and into disposal trucks at lower costs. The Claw can be mounted on most 34 to 1½ yard wheel loaders.

The Pincer Jaw Assembly is constructed of structural steel tubing welded together to form rigid rectangular frames. The framework is covered and strengthened with steel side panels. The serrated front edges assist in grasping and pinching materials.

Wear Provisions The underside of the Claw, which makes frequent contact with asphalt and other hard surfaces, is equipped with replaceable tungsten carbide wear shoes and hard steel blades that absorb a majority of the abrasion and wear. Tungsten carbide is an extremely hard material that is incorporated into the wear shoes to combine the highest wear and abrasion resistance possible with strength and impact resistance.

Piano-Hinge Construction The pincer jaw assembly is attached to the main frame with a 3 inch diameter piano-hinge that features a 1½ inch pin that won't shear on impact. More importantly the large diameter provides a vast amount of wear surface to promote long lasting life. The hinges include greasable hardened bushing inserts.

Hydraulic System The rebuildable twin cylinders that open and close the Claw are capable of developing pinch force necessary to grasp and hold materials too long or bulky to fit within the pincer bucket. The cylinders have a 3 inch bore, an 8 inch stroke and a 1¼ inch chrome hardened rod. Mechanical stops prevent cylinder damage by not allowing the cylinders to over extend during the Claw's duty cycle.

Tungsten Carbide

Wear Shoes

Greaseable Hardened Bushing Inserts

> Rebuildable Hydraulic Cylinders

When the pincer jaws make contact with an immovable object the hydraulic cross over relief valve senses the obstruction a diverts the fluid away from the cylinders. This automatic action minimzes cylinder damage and premature hydraulic system failure.

The flow divider distributes an equal amount of hydraulic fluid to each cylinder ensuring that the pincer jaws operate evenly and simultaneously.

The 520 Claw hydraulic system is designed for machines having 8 to 50 gpm and 1500 to 3800 psi.

Prices and specifications are subject to change without notice.

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Bucket Broom suitable for Case Wheel Loader 221F equipped with Skid Steer Loader Mount



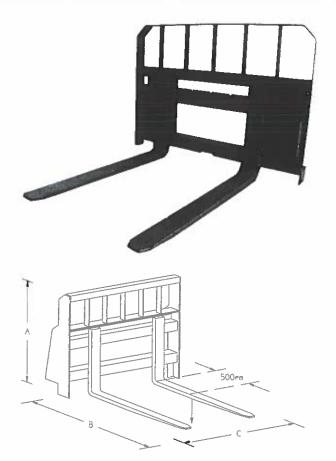


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Specifications / Features

- Handles light and heavy-duty clean-up in construction, municipal, and industrial applications
- Bi-directional broom sweeps forward to pick up dirt; reverses to collect asphalt millings,
 rock, and construction debris
- To dump, just lift and tilt; no chains are required
- No front caster wheel; works easily next to walls, curbs and obstacles
- Replaceable bolt-on cutting edge on bucket
- Mounts to skid-steer quick-attach
- Mechanical stops to adjust depth of the brush

2. Pallet Forks suitable for Case Wheel Loader 221F equipped with Skid Steer Loader Mount





<u>Specifications / Features</u>

- CNHi's Pallet Forks are designed with a high strength lightweight frame.
- The Forks are equipped with guard for excellent visibility.
- The lifting capacity of the complete attachment is governed by the operating capacity of the host machine

MULTI-PURPOSE QUADRA-BUCKET

RECOMMENDED APPLICATIONS:

The Werk-Brau Muli-purpose Quadra-Bucket is specifically designed to add versatility to a standard loader bucket. Can be used for dozing, grappling, material handling, light grading, back dragging, back filling, land clearing, high dumping and much more. With vast variety of applications this bucket can perform deems bucket one of the most versatile attachment on any job site. Not designed to be used in heavy rock applications.

QUALITY CONSTRUCTION:

High strength, wear resistant steel is used in cutting edges. High quality cylinders are utilized in all models. All pivot points are greasable and lined with hardened bushings. Each bucket is engineered with tapered side plates to reduce wear on the buckets sides, and to allow for easier dumping.

TOOTH EQUIPMENT OPTIONS:

Cutting edge can be drilled to accept bolt-on teeth or a replaceable bolt-on edge.

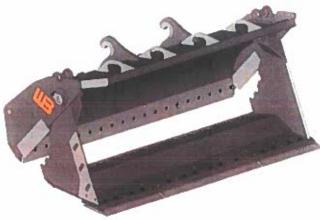
STANDARD SIZES AVAILABLE:

Specific widths and capacities made to meet customer requirements.

ADDITIONAL FEATURES:

All models fitted with attaching ears that meet all pertinent OEM specifications. Dozer edge is equipped with replaceable bolt on edge.







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MULTI-PURPOSE QUADRA-BUCKET



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MULTI-PURPOSE QUADRA-BUCKETS

LOADER	PART	BUCKET	EDGE	CAPACITY	CAPACITY	WEIGHT
CLASS	NUMBER	WIDTH	LENGTH	STRUCK	RATED	WEIGHT
ВН	QB821L	82"	84"	0.85	1.00	1,600
вн	QB921L	92"	94"	1.06	1.25	1,800
ВН	QB961L	96"	98"	1.17	1.38	1,950
1	QB1WL100-1.25	100"	103"	1.06	1.25	2,175
1	QB1WL100-1:50	100"	103"	1.27	1.50	2,475
1	QB1WL100-1.75	100"	103"	1.48	1.75	2.775
2	QB2WL100-1.50	100"	102"	1.27	1.50	2,775
2	QB2WL100-2.00	100"	102"	1.69	2.00	3,275
2	QB2WL100-2.50	100"	102"	2.12	2.50	3,675
3	QB3WL100-2.50	100"	102"	2.12	2.50	3,850
3	QB3WL100-3.00	100"	102"	2.54	3.00	4,050
3	QB3WL100-3.25	100"	102"	2.75	3.25	4,350
3.5	Q83.5WL105-3.00	105"	108"	2.54	3.00	4,050
3.5	QB3.5WL105-3.25	105"	108"	2.75	3.25	4,350
4	QB4WL117-3.25	117"	119"	2.75	3.25	4,450
4	QB4WL117-3.50	117"	119"	2.97	3.50	4.850
4	QB4WL117-3.75	117"	119"	3.18	3.75	5,050
5	QB5WL124-3.50	124"	126"	2.97	3.50	4,900
5	QB5WL124-4.00	124"	126"	3.39	4.00	5,100
5	QB5WL124-4.50	124"	126"	3.81	4.50	5,400
6	QB6WL132-5.00	132"	135"	4.24	5.00	6,300
6	QB6WL132-6.00	132"	135"	5.08	6.00	7,600
6	QB6WL132-7.00	132"	135"	5.93	7.00	8,000

GENERAL PURPOSE HIGH PERFORMANCE BUCKET

RECOMMENDED APPLICATIONS:

The Werk-Brau General Purpose High Performance Bucket has an enhanced high-perfromance profile. This bucket holds approximately 5% more than our General Purpose Bucket. Specifically designed to dig in virgin soil and re-handle materials up to 3,200 lbs/cubic yard in density.

QUALITY CONSTRUCTION:

High-strength, abrasion-resistant steel is utilized in all critical components. All seams are welded solid for extra durability. Each bucket is engineered with tapered side plates to reduce wear on the buckets sides, and to allow for easier dumping. It also has curved side plates for maximum material retention. An inclined bottom reduces loading force and an increased roll back angle for material retention. The beveled design also allows for a higher material retention.

TOOTH EQUIPMENT OPTIONS:

Auxiliary edge and teeth are available upon request.

STANDARD SIZES AVAILABLE:

2.0 cu. yd. to 9.0 cu. yd. of various widths are available. Special designs and capacities available upon request.

ADDITIONAL FEATURES:

Bucket design incorporates an inclined bottom to reduce loading forces. Strong top design withstands high-digging forces exerted by today's machines, and curved side wall to allow to a higher yield in capacity.







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GENERAL PURPOSE HIGH PERFORMANCE

GENERAL PURPOSE HIGH PERFORMACE LOADER BUCKETS

LOADER CLASS	PART NUMBER	BUCKET WIDTH	EDGE LENGTH	CAPACITY STRUCK	CAPACITY RATED	WEIGHT
ВН	WBLH82-1.00	82"	83"	0.85	1.00	1,050
BH	WBLH92-1.25	92"	93"	1.06	1.25	1,125
ВН	WBLH96-1.50	96"	97"	1.27	1.50	1,200
MINI	LHG055450	54"	55"	0.42	0.50	700
MINI	LHG056275	62"	63"	0.64	0.75	775
MINI	LHG0574100	74"	75"	0.85	1.00	825
MINI	LHG0574125	74"	75"	1.00	1.25	890
1	LHG14750	47"	48"	0.42	0.50	850
1	LHG166100	66"	69"	0.85	1.00	1,050
1	LHG188125	88"	91"	1.06	1.25	1,300
1	LHG196150	96"	99"	1.27	1.50	1,675
1	*LHG1100200	100"	102"	1.69	2.00	1,850
1	*LHG1100225	100"	102"	1.91	2.25	1,900
1	*LHG1100250	100"	102"	2.17	2.50	1,925
2	*LHG2100200	100"	102"	1.69	2.00	1,775
2	*LHG2100225	100"	102"	1.91	2.25	1,875
2	*LHG2100250	100"	102"	2.17	2.50	1,975
2	*LHG2100275	100"	102"	2.33	2.75	2,075
2	*LHG2100300	100"	102"	2.54	3.00	2,175
3	*LHG3100250	100"	102"	2.17	2.50	2,250
3	*LHG3100275	100"	102"	2.33	2.75	2,350
3	*LHG3100300	100"	102"	2.54	3.00	2,450



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Tel: 671-649 1-800-537-9561

EXHIBIT 10

GSWA PROCUREMENT RECORD Page 172 GUAM SOLID WASTE AUTHORIT



LOURDES A. LEON GUERRERO

JOSHUA F. TENORIO

IRVIN L. SLIKE



INVITATION FOR BID NO.: GSWA-004-24

DESCRIPTION: COMPACT WHEEL LOADER W/ ATTACHMENTS

SPECIAL REMINDER TO PROSPECTIVE BIDDERS

ORIGINAL

Bidders are reminded to read the Sealed Bid Solicitation and Instructions, and General Terms and Conditions attached to the IFB to ascertain that all of the following requirements checked below are submitted in the bid envelope, in duplicate, and the date and time for bid opening.

- (X) BID GUARANTEE (15% of Bid Amount) May be in the form of; Reference #11 on the General Terms and Conditions
 - a. Cashier's Check or Certified Check
 - b. Letter of Credit
 - c. Surety Bond Valid only if accompanied by:
 - 1. Current Certificate of Authority issued by the Insurance Commissioner;
 - 2. Power of Attorney issued by the Surety to the Resident General Agent;
 - Power of Attorney issued by two (2) major officers of the Surety to whoever is signing on their behalf.
- (X) BROCHURES/DESCRIPTIVE LITERATURE;
- (X) AFFIDAVIT DISCLOSING OWNERSHIP, INFLUENCE, COMMISSION, & CONFLICT OF INTEREST
 - Date of signature of the person authorize to sign the bid and the notary date must be the same.
- (X) OTHER REQUIREMENTS:

 Affidavit re Non-Collusion, Affidavit re No Gratuities or Kickbacks, Affidavit re Ethical

 Standards, Affidavit D.O.L. Wage Determination, Affidavit re Contingent Fees, Special

 Provision; Restriction Against Sexual Offenders
- (X) CURRENT BUSINESS LICENSE / CONTRACTOR'S LICENSE / SPECIALTY LICENSE

IN REFERENCE TO SUPPLIES OR SERVICES FOR THIS BID

This reminder must be signed and returned in the bid envelope together with the bid. Failure to comply with the above requirements may be cause for disqualification and rejection of bid.

On this 14th	day of_	November	_, 2	2023. 1 John Alexius Limtiaco Jrauthorized
representative of F	ar East E	quipment Company, LLC		acknowledge receipt of this special
reminder to prospe	ctive bidd	ers with the above referen		

Bidder Representative's Signature



GUAM SOLID WASTE AUTHORITY

LOURDES A. LEON GUERRERO Governor of Guam JOSHUA F. TENORIO Lt. Governor of Guam IRVIN L. SLIKE General Manager



INVITATION FOR BID

5. M	ISSUING OFFICE:
INVIN L. SLIKE General Manager Jo 31 23 DATE	GUAM SOLID WASTE AUTHORITY 546 NORTH MARINE CORPS DRIVE TAMUNING, GUAM 96913
BID INVITATION NO.: BID FOR: SPECIFICATION: DESTINATION:	11/03/2023 GSWA-004-24 COMPACT WHEEL LOADER W/ ATTACHMENTS SEE ATTACHED GUAM SOLID WASTE AUTHORITY 200 DAYS UPON RECEIPT OF PURCHASE ORDER
INCORPORATED IN: Guam	VIDUAL PARTNERSHIPCORPORATION
This bid shall be submitted in duplicate and so Date: 11/20/2023, and shall be publicly opene See attached General Terms and Conditions a	ealed to the issuing office no later than (Time) 1:00PM. d. Bid submitted after the time and date specified above shall be rejected, and Sealed Bid Solicitation for details.
opposite the respective items listed on the sche to the expense of the Government in opening,	within the time specified, the articles and services at the price stated adule provided, unless otherwise specified by the bidder. In consideration tabulating, and evaluating this and other bids, and other considerations, on and irrevocable within one hundred twenty (120) calendar days from s which prices are quoted.
NAME AND ADDRESS OF BIDDE! Far East Equipment Company, LLC P.O. Box 10838 Tamuning, GU 96931	R: SIGNATURE AND TITLE OF PERSON AUTHORIZED TO SIGN PHIS BID:
AWARD: CONTRACT NO.:	AMOUNT: DATE:
ITEM NO(S). AWARDED:	
	CONTRACTING OFFICER:
	IRVIN L. SLIKE DATE General Manager
NAME AND ADDRESS OF CONTRAC	TOR: SIGNATURE AND TITLE OF PERSON AUTHORIZED TO SIGN THIS CONTRACT:

546 N. Marine Corps Drive, Tamuning, GU 96913 * Tel: 671-646-3111 | Fax: 671-649-3777 https://www.guamsolidwasteauthority.com/



GUAM SOLID WASTE AUTHORITY

LOURDES A. LEON GUERRERO Governor of Guarn JOSHUA F. TENORIO

IRVIN L. SLIKE General Manager



ITEM		T			PRICE
NO.	DESCRIPTION	QTY	UOM	UNIT PRICE	EXTENSION
1.0	Compact Wheel Loader w/ Attachments	1	EA	s_227,261.18	s 227, 261.18

SPECIFICATIONS:

Indicate on each line of the technical specifications whether or not each item complies with the specification or an exception is being taken. If additional space is required to fully explain bid exceptions, attach additional typed page(s) to the bid submittal indicating the section number and subsection that has the exception, and provide explanation.

	COMPLY / NON-COMPLIANCE
Engine: Gross HP at 2400 RPM: 73 HP minimum	Comply
Peak Torque at 1560 RPM: 206 foot lbs. minimum	Comply
Emissions: Compliant with EPA Final Tier 4/EU Stage V	Comply
Four cylinders	Comply
Powertrain: Hydrostatic with infinitely variable speed control over full range of operating speeds. 2 speed ranges, joystick mounted F-N-R, acceleration pedal.	Comply
Axles: Fixed, 100% differential, manually engaged front axle, fixed conventional differential rear axle or oscillating rear axle	Comply
Max rise and fall single wheel: 15 inches maximum, 14 inch minimum	Comply
Hydraulically activated, self-adjusting internal wet disc brakes and driveline drum brake	Comply
Cooling:	
Hydraulically driven, proportionally controlled fan or belt- driven fan	Comply
Articulation Angle: 30 degrees each direction	Comply
Cylinders: Heat treated chrome plated polished cylinder rods, hardened steel, replaceable bushings and pivot pins	Comply
Hydraulics: Main pump (loader and steering): 18 GPM standard, 29 GPM with high flow option.	Comply
Quick Coupling: Conforms with ISO 16028 quick coupling for all attachments	Comply
Electrical:	Comply
Voltage: 12-volt or 24-volt electrical system	Comply
Battery: One (1) 24-volt or two (2) 12-volt	Comply
Battery capacity: One (1) 925 CCA or Two (2) 900 CCA	- Seringil
Cab:	Comply
Seat: Air ride high back with head rest and dual lumbar support	Comply
or mechanical suspension seat	

Noise: Operator ear 70 dBA, Bystander 101 dBA



GUAM SOLID WASTE AUTHORITY

LOURDES A. LEON GUERRERO Governor of Guarn JOSHUA F. TENORIO Lt. Governor of Guam





	COMPLY / NON-COMPLIANCE
Air conditioning	Comply
Steering: Dual tilt and telescoping steering column	Comply
Performance: Conforms with SAE J1040, SAE J231, ISO 3471 and ISO 3449 ROPS/FOPS	Comply
Operating Weight: ISO quick coupler and 1CY general purpose bucket / bolt on edge 12,250 lbs. minimum	Comply
1.4 CY multi-purpose bucket; 12,800 lbs. maximum	Comply
Wheelbase: 7 feet minimum	Comply
Dump clearance: 40-degree full height - 8 feet 3 inches	Comply
Reach: 40-degree full height - 32 inches	Comply
Fork height fully raised: 10 feet minimum	Comply
Fork tipping load straight: 7000 lb. maximum	Comply
Attachments: ISO quick coupling mechanism: Conforms with ISO 16028	Comply
One (1) additional 1.4 CY bucket with bolt on edge	Comply
One (1) Tink claw bucket model 520 or equal	Comply
One (1) 60-inch pick-up broom: 800 lb. minimum; 900 lb. max	Comply
One (1) Fork: 48 inches minimum	Comply
Equipment Warranty: The Bidder guarantees to the Purchaser that the equipment, upon delivery, will be brand new and will have been constructed using entirely new components. Furthermore, the Bidder assures that any new equipment provided shall be free from any defects in manufacturing workmanship and materials for a duration of 24 months or 2,000 hours, whichever occurs first, commencing from the date of equipment delivery. This warranty encompasses any necessary repairs or replacements without any additional cost to the Purchaser.	Comply
Miscellaneous Items: One (1) operator's manual hardcopy	Comply
One (1) operator's manual on CD	Comply
One (1) complete illustrated parts book	Comply
One (1) shop repair manual	Comply
One (1) warranty manual	Comply
Manufacturer's training of GSWA crew (8 hours) & contracted mechanics (20 hours)	Comply
Online manual for parts, service & repair	Comply



GUAM SOLID WASTE AUTHORITY

LOURDES A. LEON GUERRERO Governor of Guam JOSHUA F. TENORIO Lt. Governor of Guam

IRVIN L. SLIKE General Manager



Delivered with a	full tank of fuel	Comply
Note: The GSA Fede	eral Contract will be considered alo	ng with its terms and conditions if offered.
Bidding On: Manufacturer:	John Deere	
Year:	2024	
Model:	244P	
Place of Origin:	USA	
Date of Delivery:	200 Days ARO (Subject to	orce majeure)

Attachments:

- * Haugen HPB 60-Euro Broom
- *Rockland Multi-Purpose Bucket
- *Tink Claw Bucket C520



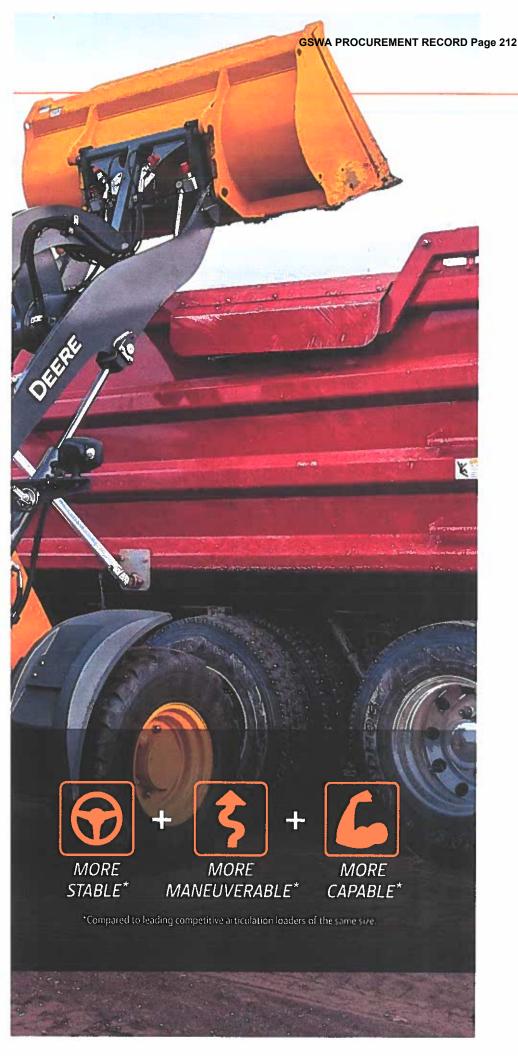
Compact Wheel Loader





Your workday is usually long, your tasks can take you into tight places, and you need a multipurpose machine to get everything done. Smaller do-it-all equipment that combines head-turning maneuverability, sure-footed stability, and comfortable capability with productive power, responsive travel speed, and ease of serviceability. Meet the 244 P-Tier Compact Wheel Loader, designed to include a wide range of reliable standard features and proven options that help you imagine the big results this highly adaptable multitasker can deliver for your operation.





Turn things around

Industry-exclusive Articulation Plus™ steering system combines 30 degrees of articulation with 10 additional degrees of rear-wheel steer. Reduced articulation angle design delivers tighter turns that are more stable, especially with large loads, than comparatively sized loaders without Articulation Plus.

On the level

Loader arm and coupler design improves the lifting path to near parallel — for better load-carrying capability than previous models. This keeps the load more level from ground to truck-bed height and helps the operator focus on the task instead of on making manual adjustments.

Fast getaway

With a standard top speed of over 23 mph, the 244 P-Tier can make some pretty quick moves on and between jobsites.

Smooth moves

Load-sensing AutoShift powertrain technology eliminates productivity-interrupting manual shifts between gear ranges while providing smooth direction changes.

Control and command

Low-effort joystick controls boom and bucket, forward-neutral-reverse (F-N-R), and differential lock. Standard mini-joystick controls auxiliary hydraulic functions including optional high-flow. Adjustable-height monitor lets operators keep close watch on vital machine functions.

Enjoy the ride

Standard ride control cushions the boom during travel over rough and uneven terrain, reducing material spillage from the bucket and minimizing site cleanup.

Lighten up

In-cab lighting activates when the door is opened to illuminate machine entrances and exits. Optional LED front and rear worklights brilliantly brighten early morning or after-daylight tasks.

Quick-change artist

Equip your 244 P-Tier with an ISO coupler to quickly and easily go from bucket to forks, for maximum lift capacity. Opt for the available John Deere quick-coupler to utilize a wide array of skid-steer-compatible attachments. High-flow electrohydraulic-controlled auxiliary hydraulics are also available.

It's a lock

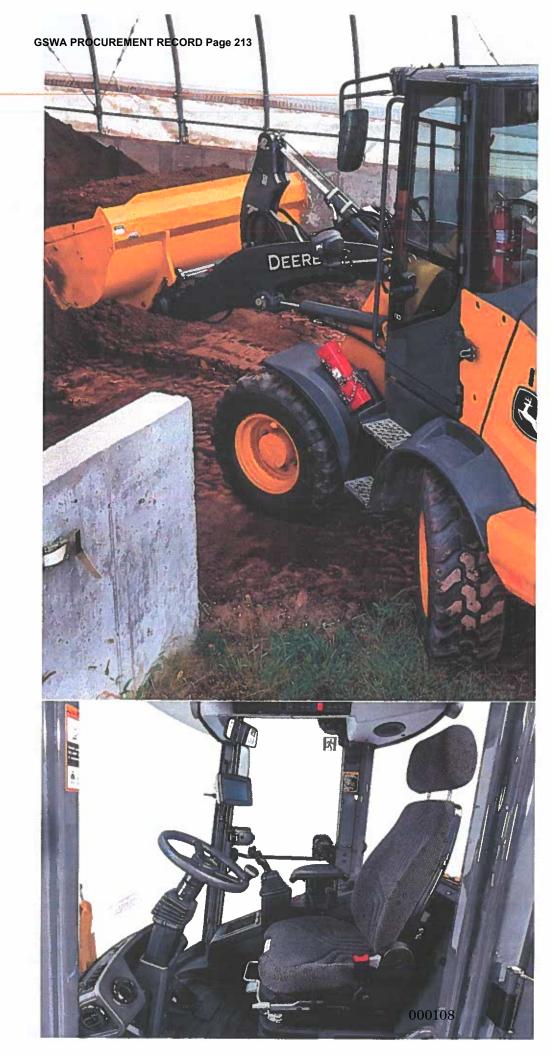
Optional throttle lock and creep control let operators set a slow ground speed while maintaining full engine power to an attachment. Now even easier to activate and adjust on the fly, these functions are perfect for work with snow blowers, cold planers, or material scrapers.

Get a grip

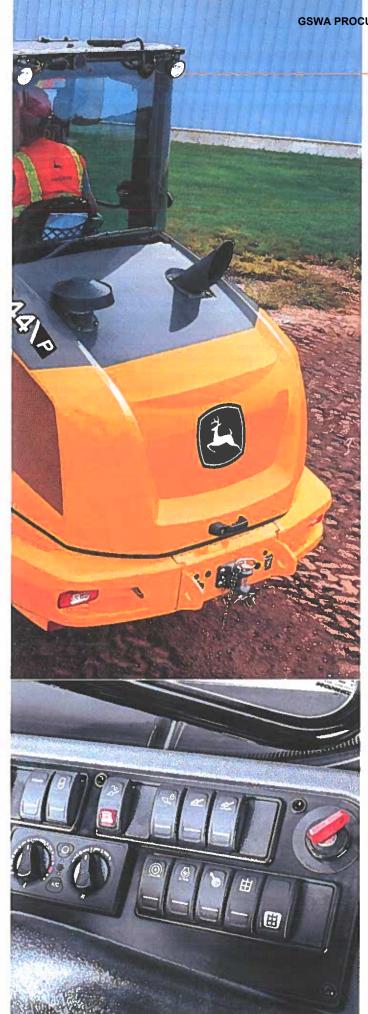
Manual low-speed 100-percent differential lock delivers the ground-gripping tractive effort needed to dive deep into the pile and help heap the bucket. Rimpull control manages power to the wheels, allowing the operator to select the optimal setting to reduce tire and driveline wear.

Keep your cool

Redesigned engine compartment and cooling package improve airflow and reduce the amount of debris entering the system compared to previous models. Access to all daily service checks and cooler cores is from ground level.



244 P-TIER COMPACT WHEEL LOADER







OPTIONAL LEDFRONT & REAR WORKLIGHTS ENHANCE VISIBILITY

Business booster

John Deere attachments are a great way to expand the flexibility of your operation. With more than 100 models, they'll help you broaden your abilities, work smarter, and accomplish even more.

Here to back you up

Parts and service are always available at over 1,400 John Deere dealer locations throughout North America.

244 P-TIER WHEEL LOADER SPECIFICATIONS



While general information, pictures, and descriptions are provided, some illustrations and text may include product options and accessories NOT AVAILABLE in all regions, and in some countries products and accessories may require modifications or additions to ensure compliance with the local regulations of those countries.

Engine	244.P-TIER	AND THE RESERVED	W-1	-
Manufacturer and Model	Yanmar 4TNV98CT	Gross Rated Power at 2,400 rpm	54 kW (73 hp)	
Non-Road Emission Standard	EPA Final Tier 4/EU Stage V	(ISO 14396)	3 t Ker (13 tip)	
Cylinders	4	Peak Torque at 1,560 rpm	280 Nm (206 lbft.)	
Valves per Cylinder	4	Engine Bore and Stroke	98 x 110 mm (3.89 x 4.33 i	in I
Displacement	3,3 L (203 cu. in.)	Lubrication	Pressure system with full	
Net Peak Power at 2,400 rpm (SAE J1349 /	52 kW (71 hp)	Coolication	spin-on filter	-now
ISO 9249)	32 KM (7 HIÞ)	Assisation		
130 3243)		Aspiration	Turbocharged	TAKEN TERMONIA
Cooling		Air Cleaner	Dual safety element dry t	ype
Fan	Hydraulically driven, proportionally co	entrolled		
Engine Coolant Rating	-37 deg. C (-34 deg. F)	nitronea		
	-37 deg. C (-34 deg. 7)			and the second second
Powertrain	Hardware Ata (HET) with the College Income	bla and a start and a start a		
Туре	mounted F-N-R; acceleration pedal; H: full engine rpm and hydraulic flow	ble speed control over full range of ope ST inching pedal, which allows infinitely	rating speeds; 2 speed rang reduced travel speeds while	ges; joystici maintainin
2 Travel Speeds in Forward and Reverse (equipped with 365/70R18 tires)				
Gear 1	18 km/h (11.0 mph)			
Gear 2	38 km/h (23.5 mph)			
Axies		aged front axle; fixed, conventional diffe	proptial case sula	
Rear Axle Oscillation Versus Front Axle	16 deg. total, stop to stop	agea mont oxie, nxeu, conventional diffe	CICILIAI IEAL AXIE	
Differentials	Manual (push-button) 100% locking fr	ront, conventional rear		
Maximum Rise and Fall, Single Wheel	370 mm (14.5 in.)			
Steering	Hydraulic power steering (SAE J1511); 3	30-deg, articulation left and right with n	nechanical-actuated rear-wi	heel steerin
Steering Wheel Turns, Stop to Stop	4¼ (2 left / 2¼ right)			
Articulation Angle	60-deg. arc (30 deg. each direction)			
Final Drive	Heavy-duty outboard planetary			
Brakes (SAE J1473 / ISO 3450)	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Service Brakes	Hydraulically actuated, self-adjusting	internal wet-disc brake and driveline dru	ım brake	
Parking Brake	Automatically spring-applied, hydrauli		ill blake	
Hydraulics	reconstituting applied, in order	cony recosed, internal wet disc		
Main Pump (loader and steering)	Fixed-displacement gear pump; open-	center system		
Standard	70 L/m (18 gpm)	Hydraulic Cycle Times		
Total With High-Flow Option	109 L/m (29 gpm)	Raise	4.9 sec.	
Maximum Pressure at Couplings	23 000 kPa (3,335 psi)		1.7 sec.	
System Relief Pressure	23 000 KF8 (3,333 þ3i)	Dump	3.5 sec.	
Loader	22 000 kp. /2 225!	Lower		
	23 000 kPa (3,335 psi)	Total	10.1 sec.	
Steering Controls	18 000 kPa (2,611 psi)	South to the first the state of		
Controls	function energy and all short with	single-lever control for boom and bucke	et, standard pin disconnect	and 3rd-
Culturaliza	function proportional electrohydrauli	c (EH) auxiliary nydraulics		CAST OF SHARE
Cylinders	Hart Arrets A. d	1-4: 1 1 1 1 1 1 1 1 1 1 1 1	THE PART OF THE PARTY	
Туре	Heat-treated, chrome-plated, polished	d cylinder rods; hardened steel (replaceal	ble bushings) pivot pins	
Electrical				
Туре	Electrical load center with blade-type	multi-fused circuits		
Voltage	12 valt			
Number of Batteries	1			
Battery Capacity	925 CCA			
Alternator Rating	80 amp			
Lights (SAE 99)	Driving/front working lights (2), turn :	signals, flashers, and stop- and taillights	5	
Operator Station				
Noise Level				
Operator Ear (ISO 6396)	70 dBA			
Bystander (ISO 6395)	101 dBA			
Tires/Wheels				
Tires on Single-Piece Rims	Tread Width*	Width Over Tires†	Change in Vertical Height	
365/70R18 Mitas EM01 (standard)	1510 mm (4 ft. 11 in.)	1920 mm (6 ft. 4 in.)	0 mm (0 in.)	
405/70R18 Firestone Duraforce (optional)	1510 mm (4 ft. 11 in.)	1960 mm (6 ft. 5 in.)	+23 mm (+0.9 in.)	
400/70R20 Michelin XMCL (optional)	1510 mm (4 ft. 11 in.)	1960 mm (6 ft. 5 in.)	+44 mm (+1.7 in.)	
400/70R20 Michelin Bibload (optional)	1510 mm (4 ft. 11 in.)	1950 mm (6 ft. 5 in.)	+38 mm (+0.9 in.)	
400/70R20 Nokian Hakkapeliitta (optional)		1950 mm (6 ft. 5 in.)	+48 mm(+1.9 in.)	
*Also see Q in Dimensions section on pages 7 a	and 9 / Miso see R in Dimensions section		· 70 HIMI(*1.7 HL)	
Serviceability	J. 7 MISU SEE N III DITHERSIONS SECTION	n on pages 7 and 3.		
		Datill Consider for the off		
Refill Capacities	1211 (127-4)	Refill Capacities (continued)	001/220-13	
Cooling System (engine and radiator)	12.1 L (12.7 qt.)	Fuel Tank	90 L (23.8 gal.)	
Differential and Planetary Axle	cause .)	Hydraulic/HST Reservoir With Filter		
Front	5.2 L (5.5 qt.)	HST Motor Gearbox	1.7 L (1.8 qt.)	
Rear	4.7 L (5.0 qt.)	Front/Rear Axle Planetary Hubs	0.8 L (1.0 qt.)	
Engine Oil With Filter	10 L (10.8 nt.)	leach		

000110

(each)

Engine Oil With Filter

10 L (10.8 qt.)

244 P-TIER WHEEL LOADER SPECIFICATIONS





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Operating Weights 244 P-TIER

With standard equipment, 365/70R18 tires, standard counterweight, cab, 79-kg (175 lb.) operator, and full fuel tank

ISO Quick-Coupler

With 0.8-m3 (1.0 cu. yd.) General-Purpose 5560 kg (12,258 lb.)

(GP) Bucket With Bolt-On Edge

With 1.1-m3 (1.4 cu. yd.) GP Bucket With

Bolt-On Edge With Fork

Quik-Tatch" Quick-Coupler

With 0.8-m3 (1.0 cu. yd.) GP Bucket With

Bolt-On Edge

With 1.1-m3 (1.4 cu. yd.) GP Bucket With

Bolt-On Edge

5800 kg (12,787 lb.)

5680 kg (12,522 lb.)

5455 kg (12,026 lb.)

5690 kg (12,544 lb.)

Quik-Tatch Quick-Coupler (continued) With Fork

5500 kg (12,125 lb.)

Optional Components

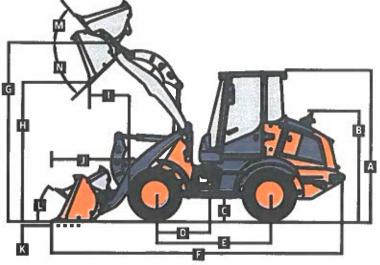
ISO Quick-Coupler

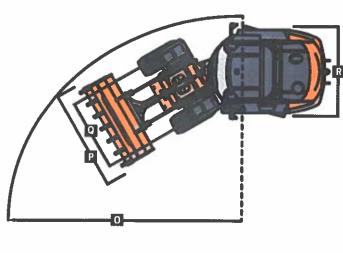
0.8-m3 (1.0 cu. yd.) Bucket With Bolt-On Edge 337 kg (743 lb.) 1.1-m³ (1.4 cu. yd.) Bucket With Bolt-On Edge 457 kg (1,008 lb.) Fork and Tines 232 kg (511 lb.)

Quik-Tatch Quick-Coupler

0.8-m3 (1.0 cu. yd.) Bucket With Bolt-On Edge 467 kg (1,030 lb.) 1.1-m³ (1.4 cu. yd.) Bucket With Bolt-On Edge 577 kg (1,272 lb.) 277 kg (611 lb.)

Dimensions and Specifications With ISO Quick-Coupler and Bucket





244 P-TIER Z-BAR LOADER WITH ISO QUICK-COUPLER AND BUCKET

Dimensions With ISO Quick-Coupler and General-Purpose (GP) Bucket
With Bolt-On Edge

Α	Height to Top of Cab	
В	Height to Top of Exhaust	

Ground Clearance

Length From Centerline to Front Axle D

Ε Wheelbase

Overall Length, Bucket on Ground

Height to Hinge Pin, Fully Raised G Dump Clearance, 40-deg. Full Height

1 Reach, 40-deg. Dump, Full Height

Maximum Dump Reach, 42-deg. Dump

Maximum Digging Depth K

Maximum Rollback at Ground Level L

Maximum Rollback at Full Height M **Bucket Dump at Full Height**

Turning Circle Radius Over Outside of Bucket Edge

Bucket Width

Tread Width (standard)

Width Over Tires (standard)⁶

Loader Clearance Circle, Bucket Carry Position

⁸Also see Tires/Wheels section on page 6.

Specifications With ISO Quick-Coupler and Bucket

Capacity, Heaped (SAE)

Capacity, Struck (SAE)

Breakout Force (SAE J732C) Tipping Load, Straight

Tipping Load, Full Turn (SAE)

Rated Operating Load, 50% of Full-Turn Tipping Load (conforms to ISO 14397-1)* *Rated operating capacity based on Deere attachments only.

Standard Linkoge

0.8-m3 (1.0 cu. yd.)

2.75 m (9 ft. 0 in.)

1.98 m (6 ft. 6 in.)

285 mm (13 in.)

750 mm (30 in.)

2.15 m (7 ft. 1 in.) 5.41 m (17 ft. 9 in.)

3.22 m (10 ft. 7 in.)

2.52 m (8 ft. 3 in.)

810 mm (32 in.)

1.52 m (5 ft. 0 in.)

95 mm (4 in.)

39 deg.

55 deg.

42 deg.

3.82 m (12 ft. 6 in.)

1.90 m (6 ft. 3 in.)

1510 mm (4 ft. 11 in.)

1920 mm (6 ft. 4 in.)

7.64 m (25 ft. 1 in.)

0.8 m3 (1.0 cu. yd.) 0.66 m3 (0.86 cu. yd.)

4895 kg (10,792 lb.)

4060 kg (8,951 lb.) 3700 kg {8,157 lb.}

1850 kg (4,079 lb.)

Standard Linkage

1.1-m3 (1.4 cu. yd.)

2.75 m (9 ft. 0 in.)

1.98 m (6 ft. 6 in.)

285 mm (11 in.)

750 mm (30 in.)

2.15 m (7 ft. 1 in.)

5.47 m (17 ft. 11 in.)

3.22 m (10 ft. 7 in.)

2.48 m (8 ft. 2 in.)

860 mm (34 in.)

1.56 m (5 ft. 1 in.)

95 mm (4 in.)

39 deg.

55 deg.

42 deg.

3.97 m (13 ft. 0 in.)

2.20 m (7 ft. 3 in.)

1510 mm (4 ft. 11 in.)

1920 mm (6 ft. 4 in.)

7.94 m (26 ft. 1 in.)

1.1 m³ (1.4 cu. yd.) 0.9 m3 (1.18 cu. yd.) 4410 kg (9,722 lb.)

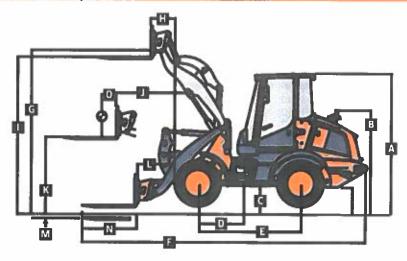
3930 kg (8,664 lb.)

3580 kg (7,893 lb.) 1790 kg (3,946 lb.)

GSWA PROCUREMENT RECORD Page 217
While general information, pictures, and descriptions are provided, some illustrations and text may include product options and accessories NOT AVAILABLE in all regions, and in some countries products and accessories may require modifications or additions to ensure compliance with the local regulations of those countries.

Dimensions and Specifications With ISO Quick-Coupler and Fork

244 P-TIER



244 P-TIER Z-BAR LOADER WITH ISO QUICK-COUPLER AND FORK

Dimensions Wi	th ISO Ou	ick-Coupler	and Fork
---------------	-----------	-------------	----------

- Height to Top of Cab A
- Height to Top of Exhaust В
- C **Ground Clearance**
- Length From Centerline to Front Axle D
- Ε Wheelbase
- F Overall Length, Forks on Ground
- G Height to Hinge Pin, Fully Raised
- н Reach, Fully Raised
- Fork Height, Fully Raised Т
- Maximum Reach, Fork Level 1
- K Fork Height, Maximum Reach
- L Reach, Ground Level
- Depth Below Ground M
- Tine Length
- O Load Position, 50% Tine Length

Specifications With ISO Quick-Coupler and Fork

Tipping Load, Straight

Tipping Load, Full Turn (SAE)

Rated Operating Load, 50% Full-Turn Tipping Load (conforms to SAE J1197 /

ISO 14397-1)*

Rated Operating Load, Rough Terrain, 60% Full-Turn Tipping Load (conforms

to EN474-3}*

Rated Operating Load, Firm and Level Ground, 80% Full-Turn Tipping Load

(conforms to EN474-3)*

Standard Linkage

1.20-m (48 in.) tine length

2.75 m (9 ft. 0 in.)

1.98 m (6 ft. 6 in.)

285 mm (11 in.)

750 mm (30 ln.)

2.15 m (7 ft. 1 in.)

5.99 m (19 ft. 8 in.)

3.22 m (10 ft. 7 in.)

525 mm (21 in.)

3.05 m (10 ft. 0 in.)

1,24 m (4 ft. 1 in.)

1.45 m (4 ft. 9 in.)

740 mm (29 in.)

50 mm (2 in.)

1.20 m (48 in.)

600 mm (24 in.)

As measured with fork level, centered on tine

3215 kg (7,088 lb.)

2930 kg (6,460 lb.)

1465 kg (3,230 lb.)*

1820 kg (4,012 lb.)1

2300 kg (5,071 lb.)1

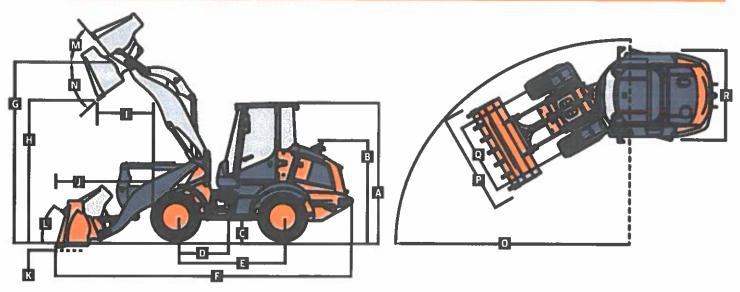
^{*}Rated operating capacity based on Deere attachments only. / †Payload on forks is limited by tilt cylinder.

GSWA PROCUREMENT RECORD Page 218 While general information, pictures, and descriptions are provided, some illustrations and text may include product options and accessories NOT AVAILABLE in all regions, and in some countries products and accessories may require modifications or additions to ensure compliance with the local regulations of those countries.

Dimensions and Specifications With Quik-Tatch™ Coupler and Bucket

*Rated operating capacity based on Deere attachments only.

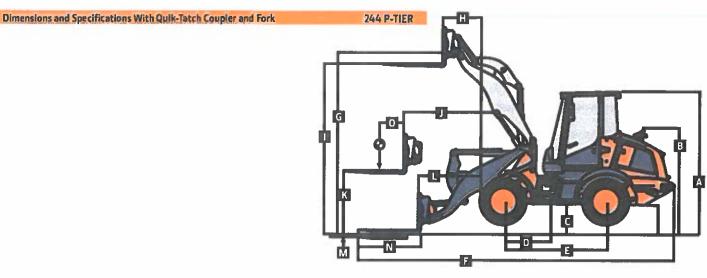
244 P-TIER



244 P-TIER Z-BAR LOADER WITH QUIK-TATCH COUPLER AND BUCKET

		Standard Linkage	Standard Linkage	
	Dimensions With Quik-Tatch Coupler and General-Purpose (GP) Bucket	ottonooto zamego	Dianidara Linnage	
	With Bolt-On Edge	0.8-m³ (1.0 cu. yd.)	1.1-m³ (1.4 cu. yd.)	
A	Height to Top of Cab	2.75 m (9 ft. 0 in.)	2.75 m (9 ft. 0 in.)	
В	Height to Top of Exhaust	1.98 m (6 ft. 6 in.)	1.98 m (6 ft. 6 in.)	
C	Ground Clearance	285 mm (11 in.)	285 mm (11 in.)	
D	Length From Centerline to Front Axle	750 mm (30 in.)	750 mm (30 in.)	
E		2.15 m (7 ft. 1 in.)	2.15 m (7 ft. 1 in.)	
F	Overall Length, Bucket on Ground	5.61 m (18 ft. 5 in.)	5.68 m (18 ft. 7 in.)	
G	Height to Hinge Pin, Fully Raised	3.22 m (10 ft. 7 in.)	3.22 m (10 ft. 7 in.)	
Н	Dump Clearance, 40-deg. Full Height	2.52 m (8 ft, 3 in.)	2.45 m (8 ft. 0 in.)	
- 1	Reach, 40-deg. Dump, Full Height	1.09 m (3 ft. 7 in.)	1.15 m (3 ft, 9 in.)	
J	Maximum Dump Reach, 42-deg. Dump	1.71 m (5 ft. 7 in.)	1.76 m (5 ft. 9 in.)	
K	Maximum Digging Depth	55 mm (2 in.)	55 mm (2 in.)	
L	Maximum Rollback at Ground Level	50 deg.	50 deg.	
M	Maximum Rollback at Full Height	58 deg.	58 deg.	
N	Bucket Dump at Full Height	40 deg.	40 deg.	
0	Turning Circle Radius Over Outside of Bucket Edge	3.87 m (12 ft, 8 in.)	4.02 m (13 ft. 2 in.)	
P	Bucket Width	1.90 m (6 ft. 3 in.)	2.20 m (7 ft. 3 in.)	
Q	Tread Width (standard) ⁸	1510 mm (4 ft. 11 in.)	1510 mm (4 ft. 11 in.)	
R	Width Over Tires (standard) ⁶	1920 mm (6 ft. 4 in.)	1920 mm (6 ft. 4 in.)	
- 1	Loader Clearance Circle, Bucket Carry Position	7.73 m (25 ft. 4 in.)	8.03 m (26 ft, 4 in.)	
- 1	Also see Tires/Wheels section on page 6.			
	Specifications With Quik-Tatch Coupler and Bucket			
	Capacity, Heaped (SAE)	0.8 m³ (1.0 cu. yd.)	1.1 m³ (1.4 cu. yd.)	
	Capacity, Struck (SAE)	0.66 m³ (0.86 cu. yd.)	0.9 m³ (1.18 cu. yd.)	
	Breakout Force (SAE J732C)	3645 kg (8,036 lb.)	3295 kg (7,264 lb.)	
	Tipping Load, Straight	3620 kg (7,981 lb.)	3500 kg (7,716 lb.)	
	Tipping Load, Full Turn (SAE)	3310 kg (7,297 lb.)	3200 kg (7,055 lb.)	
	Rated Operating Load, 50% of Full-Turn Tipping Load (conforms to ISO 14397-1)*	1655 kg (3,649 lb.)	1600 kg (3,527 lb.)	
1	*Detail execution agraphy bound on Donn attack which will	-	2	

GSWA PROCUREMENT RECORD Page 219
While general information, pictures, and descriptions are provided, some illustrations and text may include product options and accessories NOT AVAILABLE in all regions, and in some countries products and accessories may require modifications or additions to ensure compliance with the local regulations of those countries.



244 P-TIER 2-BAR LOADER WITH QUIK-TATCH COUPLER AND FORK

		Standard Linkage	
I	Dimensions With Quik-Tatch Coupler and Fork	1.20-m (48 in.) tine length	
Α	Height to Top of Cab	2.75 m (9 ft. 0 in.)	
В	Height to Top of Exhaust	1.98 m (6 ft. 6 in.)	
C	Ground Clearance	285 mm (11 in.)	
D	Length From Centerline to Front Axle	750 mm (30 in.)	
E	Wheelbase	2.15 m (7 ft. 1 in.)	
F	Overall Length, Forks on Ground	6.08 m (19 ft. 11 in.)	
G	Height to Hinge Pin, Fully Ralsed	3.22 m (10 ft. 7 in.)	
H	Reach, Fully Raised	570 mm (22 in.)	
- 1	Fork Height, Fully Raised	3.03 m (9 ft. 11 in.)	
ı,	Maximum Reach, Fork Level	1.28 m (4 ft. 2 in.)	
K	Fork Height, Maximum Reach	1.42 m (4 ft. 8 in.)	
L.	Reach, Ground Level	785 mm (3) in.)	
IVI BI	Depth Below Ground Tine Length	75 mm (3 in.)	
N	Load Position, 50% Tine Length	1.20 m (48 in.) 600 mm (24 in.)	
· ·	pecifications With Quik-Tatch Coupler and Fork	As measured with fork level, centered on tine	
	Tipping Load, Straight	3060 kg (6,746 lb.)	
	Tipping Load, Full Turn (SAE)	2800 kg (6,173 lb.)	
	Rated Operating Load, 50% Full-Turn Tipping Load (conforms to SAE J1197 /	1400 kg (3,086 lb.) [†]	
	(SO 14397-1)*		
	Rated Operating Load, Rough Terrain, 60% Full-Turn Tipping Load (conforms to EN474-3)*	1680 kg {3,704 lb.}'	
	Rated Operating Load, Firm and Level Ground, 80% Full-Turn Tipping Load (conforms to EN474-3)*	2160 kg (4,762 lb.) ¹	

*Rated operating capacity based on Deere attachments only. / 'Payload on forks is limited by tilt cylinder.

COSE MATERIALS System of Privated State State	Bucket Selection Gulde	Material Density (kg/m²)									
Chips. Spriphocod 288 886 Line Strong, courter, street 570 2,546 Line Strong, courter, street 570 1,714 Line Strong, courter, street 1,714 Line Strong, courter		700 800 900 1000 1100 1700 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 24									
Special 2275 3.894 Surgergroot W.5-mmill Red 1902 2.200	Chips., juliporood 268 446 Linections, course, sized 770 2,546 Christ Incol., advess, clinium 673 1734 Linections, course, sized 162 2,815 Chips of agrowed 252 2,700 Linections, privated are crashed 162 2,185 Clips, compacts, while 7746 2,743 Soral, devry 2083 3,510 Clips, days hump bose 1009 1270 Sarat, day 7762 2,870 Clips, constrained in water 1282 2,760 Soral, words, fair of water 2083 3,510 Clips constrained in water 1282 2,760 Soral, words, fair of water 2083 3,510 Clips constrained in water 1282 2,760 Soral, words, fair of water 2083 3,510 Clips constrained in water 1282 2,760 Soral, words, fair of water 2083 3,510 Clips constrained in water 1282 2,760 Soral, words, fair of water 2083 3,510 Clips constrained in water 1282 2,760 Soral, words, fair of water 2083 3,510 Clips constrained in water 1282 2,760 Soral, words, fair of water 2083 3,510 Clips constrained in water 1282 2,760 Soral, words, fair of water 2083 3,510 Clips constrained in water 1282 2,760 Soral, words, fair of water 2083 3,510 Clips constrained in water 1282 2,760 Soral, words, fair of water 2083 3,510 Clips constrained in water 1282 2,760 Soral, words, fair of water 2083 3,510 Clips constrained in water 1282 2,760 Soral, words, fair of water 2,760	0.84m ¹ (100 cs. yd.) 0.75m ² (100 cs. yd.)									
1.54 cu. yel 0.75 ei (0.95 eu. yel)	Earth, common tean, dry 1/16 2/195 Step, furnace growthated 1955 3.294 Letth, mud pacing 1843 3,105 Store growth 37 St and 9 mm 195 3.294 Crante, broken 1538 2,592 11 to 3 5 m l store 1842 2,730 Cypsus 2275 3,834 Store or growth 34.75-mm 8.5 m l store 8 m l store	0.84 m² (1.05 m² (1.0									
8 g g G G G G G G G G G G G G G G G G G	953 TRUE 1053 1003 955	13 m² (13 m² (13 m² (13 m² (13 m² m) yd.) (13 m² yd.) (13 m² yd.)									

Material Density [lb./cu.yd.)

Additional equipment GSWA PROCUREMENT RECORD Page 220

Key: ● Standard ▲ Optional or special

See your John Deere dealer for further information.

244 P Engine

- Antifreeze, –37 deg. C (–34 deg. F)
- Coolant recovery tank
- Fan safety guard
- Fan, suction type, hydraulically driven, proportional speed
- Environmentally friendly engine oil drain
- Spin-on engine oil and fuel filter
- Engine oil cooler
- Quick-release fuel filter and water separator
- Under-hood dual-element air cleaner with restriction indicator with dustevacuator valve
- Prescreened air intake
- Automatic glow plugs for cold start
- ▲ Engine coolant heater, 110 volts

Electrical

- Starter switch with electric fuel cutoff
- 12-volt system
- Electrical load center with blade-type fuses behind operator's seat
- Standard 925-CCA battery
- Master electrical disconnect switch
- Alternator, 12 volts, 80 amps
- Horn (conforms to SAE J994 / J1446)
- Lights (conform to SAE 99): Driving / Front working (2) / Turn signals / Flashers / Stop / Taillights
- Worklights, rear (2)
- Reverse warning alarm (conforms to SAE J994 / J1446)
- Multifunction monitor with audible and visual warnings: Low engine oil pressure, engine coolant temperature, hydraulic oil temperature warning light, and parking brake indicator / Gauge and indicator: Engine coolant temperature gauge, fuel level gauge, speedometer, clock, and hour meter
- Indicator lights: Engine air filter / Parking brake actuated / Forward/reverse travel / lst- or 2nd-speed range / Turn signal and hazard lights / High-beam driving lights indicator / Battery voltage
- Pre-wired for roof beacon

Powertrain/Brakes

 Smooth AutoShift technology up to 38 km/h (23 mph)

244 P Powertrain/Brakes (continued)

- Hydrostatic (HST) transmission: Electric shift control / Single-lever joystick F-N-R / HST oil cooler / Inching pedal / 2 speeds forward and reverse / Infinitely variable speed control
- Rimpull control
- Service brakes, hydraulically actuated, self-adjusting internal wet-disc brake and driveline drum brake
- Parking brake, spring applied, hydraulically released, switch operated
- Conventional-type rear differentials, 100% locking front differential

Hydraulic System

- Hydraulic fan for demand-based cooling
- Hydraulic system oil cooler
- Automatic bucket return-to-dig control
- Boom float detent
- Reservoir sight gauge for hydraulic/ HST oil
- Fine-micron hydraulic filters, vertical mounting
- Hydraulic function lockout
- 3-function hydraulic valve with pilot joystick control including auxiliary electrohydraulic (EH) proportional control for 3rd function
- ▲ 109-L/m (29 gpm) high-flow option
- Quick-coupler diagnostic ports: Priority pressure / Hydraulic pump pressure / Control valve pressure / HST pressure

Operator's Station

- Cab (conforms to SAE J1040, SAE J231, ISO 3471, and ISO 3449): ROPS/FOPS / Heater/defroster / Rubber-plane isolation mounted for noise/vibration reduction / Intermittent front and rear windshield wipers and washers / Tinted safety glass / Adjustable sun visor / Mid-back cloth seat with mechanical suspension / 51-mm (2 in.) retractable seat belt / Full swingout left and right doors with sliding window in left door
- Premium air-ride high-back heated seat with headrest and dual lumbar control
- Radio-ready cab, fused 12-volt radio electrical lead and speakers, and power port
- ▲ AM/FM/Weather-Band (WB) radio

244 P Operator's Station (continued)

- Air conditioning
- Storage compartment for operator's manual and other items located under operator seat and 2 options left of operator seat
- Rubber floor mat
- Dual tilt and telescoping steering column
- Rearview mirrors, outside (2) and inside (1) (conform to SAE J985)
- Handholds and steps, ergonomically located and slip resistant (conform to SAE J185)
- ▲ 76-mm (3 in.) retractable seat belt

Loader Linkage

- Z-Bar loader linkage provides high bucket breakout
- Loader boom service locking bar (conforms to SAE J38)

Buckets and Attachments

- Full line of buckets with bolt-on cutting edges
- ▲ ISO-style quick-coupler
- ▲ Quik-Tatch™ coupler
- Full line of construction utility forks, pallet forks, and other John Deere attachments*

 Tires
- 365/70R18 Mitas EM-01
- ▲ 405/70R18 Firestone Duraforce
- ▲ 400/70R20 Michelin XMCL
- ▲ 400/70R20 Michelin Bibload
- ▲ 400/70R20 Nokian Hakkapeliitta

Other

- ▲ LED worklights (spot or flood)
- ▲ Hydraulic reversing fan
- ▲ Front window guard
- Fenders, front and rear
- Articulation locking bar {conforms to SAF 1276}
- Vandal protection, includes lockable engine enclosure and fuel fill
- Cast rear counterweight
- Drawbar, with locking pin
- Lift eyes
- Tie-downs
- Ride control
- ▲ Creep control/throttle lock
- ▲ Fire extinguisher
- *See your John Deere dealer for further information.









STANDARD WARRANTY FOR NEW JOHN DEERE CONSTRUCTION, COMPACT CONSTRUCTION (CCE) FORESTRY, AND UTILITY PRODUCTS -**US & CANADA**

- Construction & Forestry Products: 12 months/unlimited hours (whichever occurs first) Full Machine Standard Warranty
- Compact Construction Equipment (CCE) Products: 24 months or 2000 hours (whichever occurs first) **Full Machine Standard Warranty**
- C&E Series Pull-Type Scrapers: 6 months Full Machine Standard Warranty
- DC & DE Pull-Type Scrapers: 12 months Full Machine Standard Warranty
- Scraper Tractors: 24 Months or 2000 Hours (whichever occurs first) Full Machine Standard Warranty
- Forestry Attachments: 12 Months or 2000 Hours (whichever occurs first) Full Machine Standard Warranty

The "Standard Warranty" is part of the warranty protection package available from John Deere Construction & Forestry Company (John Deere Limited in Canada) ("John Deere") to purchasers of new John Deere products ("product"):

STANDARD Warranty is John Deere's standard new product warranty, described in this document, provided at no additional charge to the purchaser.

EXTENDED Warranty is a separate repair contract made available by John Deere for purchasers who wish to complement their Standard Warranty coverage. Complete Extended Warranty details, including coverage options and limitations, are set forth in the Application for Extended Warranty, which is available from authorized John Deere dealers.

STRUCTURALL Warranty applies to certain structural components as listed below and as described in this document.

FACTORY-INSTALLED UNDERCARRIAGE Warranty applies to certain undercarriage components as listed below and as described in this document.

A. STANDARD WARRANTY - GENERAL PROVISIONS

John Deere will repair or replace, at its option, any parts (except those specified below) of a new John Deere product that, as delivered to the original retail purchaser(s), are defective in material or workmanship. Performance of this warranty will be free of charge for parts and labor, except as otherwise stated below. Standard Warranty applies only to purchases from John Deere and authorized John Deere dealers and, except as otherwise provided in the next sentence and section L below, is extended only to the original retail purchaser of the product. Remaining Standard Warranty applicable to a used John Deere product is transferred to a subsequent purchaser of the product only if the subsequent purchaser requests a transfer from an authorized John Deere dealer before the product's Standard Warranty expires. Coverage begins on the date of delivery of the product to the original retail purchaser. For purposes of this warranty, a product that has been rented, used for demonstration purposes for 150 or more hours, or otherwise used prior to its original retail purchase has been "used" for the total duration of such use. Warranty statements required by law covering engine emissions-related parts and components are found on a separate written warranty certificate provided to the purchaser at the time of the original retail purchase.

B. WHAT IS COVERED BY STANDARD WARRANTY

All parts of a new John Deere product (except those noted in Sections D and E below) are covered during the Standard Warranty period set out above.

C. EXCLUSIVE REMEDY

The repair or replacement of covered parts or components that are defective, as provided in Sections A, B, D.2 and D.3 herein, shall be the purchaser's exclusive remedy for any defect in the product. However, if after repeated attempts such repair or replacement fails to correct the performance problem caused by the defect, the purchaser's sole remedy shall be a refund of the amount paid for the product (in exchange for a return of the product), excluding any transportation charges, license fees, taxes and insurance premiums, and less a reasonable allowance for use of the product prior to its return. In no event will the dealer, John Deere or any company affiliated with John Deere be liable for any incidental or consequential damages, including but not limited to loss of profits, rental of substitute equipment or other commercial loss. Correction of defects in the manner provided above shall constitute fulfillment of

US/CAN DEERE Warranty Statement Ver. 13.0 Effective 01 June 2022 Page 1 of 4

all liabilities of the Dealer, John Deere, or any company affiliated with John Deere to the purchaser or any other person, whether based upon contract, tort, strict liability, or otherwise. This limitation does not apply to claims for personal injury.

D. ITEMS COVERED SEPARATELY -

- 1. <u>Standard Warranty</u> does not apply to batteries, radios, tires, cameras, or to Cummins, MTU or Detroit Diesel Engines installed in John Deere products, which are covered by separate written warranties.
- 2. Factory-Installed Undercarriage Warranty covers all non-rubberized factory-installed undercarriage wear components for 3 years or 4,000 hours from the date of delivery to the original retail purchaser, whichever occurs first (unless terminated earlier under Section F, below). For purposes of this warranty, a product that has been rented, used for demonstration purposes for 150 or more hours, or otherwise used prior to its original retail purchase has been "used" for the total duration of such use. In addition to the items listed in section E below, Factory-Installed Undercarriage Warranty does not cover: failures due to wear, machine application, maintenance practices, or improper machine configuration; removal and installation labor; transportation or hauling costs; unapproved parts; non-wear items; and rubberized undercarriage components such as rubber tracks. Warranty claims will be pro-rated based upon wear of the failed component and whether track shoe width is approved by John Deere. Factory-Installed Undercarriage Warranty does not apply to Scraper Tractors.
- 3. <u>StructurALL Warranty</u> for new John Deere Products (except Compact Excavators & Loaders, Skid-Steer Loaders, Compact Track Loaders, Scraper Tractors, Pull-Type Scrapers, and Forestry Attachments, which are not eligible for StructurALL Warranty) begins at the date of delivery to the original retail purchaser and ends (unless terminated earlier under Section F, below) after three (3) years, or 10,000 hours (whichever occurs first). For purposes of this warranty, a product that has been rented, used for demonstration purposes for 150 or more hours, or otherwise used prior to its original retail purchase has been "used" for the total duration of such use. **StructurALL Warranty applies only to the following structural components listed below as installed on the product at the time of original manufacture. If a particular component is not listed below it is not covered by StructurALL Warranty.**

Arm; Articulation Joint (incl. pins & bushings); Bin Frame; Boom; Carbody; C-Frame*; Circle Frame; Coupler (John Deere built ONLY); Dipperstick; Draft Frame; Engine Frame; Equipment Frame; Grapple Arch and Grapple Boom; Loader Arm; Loader Frame; Mainframe; Moldboard Lift Arm; Pushbeam, NeverGrease™ Pin Joints [Includes steering pin and bushing joints (standard equipment), roller elements (roller bearings) in bucket to boom joints and sliding elements (bushing) for boom and linkage joints (optional equipment)]; Rollover Protection Structure (ROPS); Side Frame; Swing Frame; Track Frame; Undercarriage Frame; X-Frame; Z-bar loader linkage (including bell crank and bucket driver link); Specialty booms and arms marketed as "heavy duty" by John Deere.

Items Covered by StructurALL for Cut-to-Length Forestry Machines: Front frame (welded assembly); Rear frame (welded assembly); Crane king post with basement; Middle joint frame; Cabin swing frame; Main Boom

StructurALL Warranty does not apply to:

- 1. Any product used primarily in extreme duty or severe duty applications such as but not limited to: demolition and wrecking, chemical plant (including fertilizer plants), salt mines, steel mill, land fill and transfer stations, scrap handling, scarifying and other applications that are similarly destructive or similarly heavy duty except specialty booms and arms as stated in Section D.3 above.
- C-Frames on Crawlers equipped with root rakes or used in forestry applications unless equipped with an "extreme duty" reinforcement package.
- 3. Cut-to-Length Forestry Heads and Slash Bundler Units.
- 4. Crawlers equipped with optional side booms.
- 5. Cut-to-Length Forestry, Excavator, and Log Loader swing bearings.
- 6. Motor Graders equipped with front- or rear-mounted snow wings.

E. ITEMS NOT COVERED .

John Deere is NOT responsible for the following:

- Freight
- 2. Adjustments to compensate for wear, for periodic maintenance or adjustments that result from normal wear and tear.
- 3. Damage caused by unapproved adjustments (electronic or mechanical) to machine or machine components outside of published specifications including but not limited to engine, hydraulic components and relief valves.
- 4. Program updates, calibrations, and pressure adjustments.
- 5. Additional Labor Time Above Dealer Labor Rate.
- 6. Additional Cleaning Above Dealer Labor Rate.
- 7. Rental Fees.
- 8. Depreciation or damage caused by normal wear or application, lack of reasonable and proper maintenance, failure to follow operating instructions, misuse, lack of proper protection during storage, vandalism, negligence, collision, expenses to seek reinstatement of warranty following theft or loss of Product, or other accidents.
- 9. Premiums charged for Overtime Labor.
- 10. Transportation to and from the dealership.
- 11. Travel time, mileage, or service calls by the dealer.
- 12. Non-John Deere components or modifications, Rotobec grapples, and attachments installed aftermarket.
- 13. Shop supplies and maintenance items such as, but not limited to: filters, fuels, oil, hydraulic fluid, lubricants, coolants, conditioners, shop towels, cleaners and degreasers.
- 14. Torn, cut, or worn hoses.
- 15. Wear items, such as, but not limited to: body liner, belts, blades, bulbs, lubricated joints (including pins and bushings), dry brakes, brake linings, dry clutch linings, saw blades, chains, skidder grapple shocks, color marking nozzles, and articulation bumpers.
- 16. Items such as cutting-edge parts, delimbing knives, bucket teeth and rubber track are not warranted for depreciation or damage caused by normal wear, lack of proper maintenance, misuse, failure to follow operating instructions, the elements or accident.
- 17. Any defect in a non-covered component, or damage to or failure of a covered component caused by a defect in a non-covered component.
- 18. Secondary damage which occurs from continued operation of a product after recognition of the occurrence of a failure.
- 19. Parts supplied by or repairs, maintenance or modifications performed by someone other than an authorized John Deere dealer, including any damage caused by such use of parts, repairs, maintenance, or modifications not performed by an authorized John Deere dealer.
- 20. The use of "track type" tire chains on Feller Bunchers and Skidders is an unapproved modification. Warranty will be void on these machines using "track type" tire chains.
- 21. Topping off fluids when fluid levels fall in the range between low and full
- 22. Parts/Kits not ordered on machine and installed aftermarket. These parts will be covered by any applicable parts warranty.
- 23. Attachments installed aftermarket i.e., Winch not installed at factory.
- 24. Custom options installed outside the factory i.e., G.R. Manufacturing option packages.
- 25. Used Products (except as otherwise provided in section L below).
- 26. Lost or stolen Products.

F. TERMINATION OF WARRANTY-

John Deere is relieved of its obligations under Standard Warranty, StructurALL Warranty, Factory-Installed Undercarriage Warranty and/or Extended Warranty if:

- 1. The product is modified or altered in ways not approved by John Deere; or
- 2. Any unapproved or improperly sized attachment is installed on the product. Approval and attachment size shall be at John Deere's sole discretion. (Consult dealer prior to installing attachments or product modification).
- 3. The product is moved outside the US and/or Canada.

G. PARTS REPLACED UNDER WARRANTY -

Only new or remanufactured parts or components furnished or approved by John Deere, will be used if John Deere elects to repair the product. If any such part or component is defective in material or workmanship when installed in the product, John Deere will repair or replace, as it elects, such defective part or component, provided the defect is reported to an authorized John Deere dealer within 90 days of installation or before expiration of the applicable Standard Warranty, Factory-Installed Undercarriage Warranty and/or StructurALL Warranty whichever is later.

H. TELEMATICS

NOTICE: Products may be equipped with telematics hardware and software ("Telematics") that transmit data to John Deere/ Dealer. Purchaser may deactivate Telematics at www.idlink.com.

Notwithstanding Purchaser's right, title or interest in the Products, Purchaser agrees that John Deere and Dealer (their affiliates, successors and assigns), without further notice to Purchaser have the right to:

- 1. Access, use, collect and disclose any data generated by, collected by, or stored in, Products or any hardware or devices interfacing with Products ("Machine Data");
- 2. Access Machine Data directly through data reporting devices integrated within, or attached to, Products, including Telematics ("Data Reporting Systems"); and
- 3. Update the Data Reporting Systems software from time to time. Machine Data will only be used in accordance with John Deere's Machine Data Policy, located at www.JohnDeere.com/MachineDataPolicy.

I. OBTAINING WARRANTY SERVICE -

To obtain warranty service, the purchaser must request warranty service from a John Deere dealer authorized to sell the product to be serviced. When making such a request, the purchaser must present evidence of the product's delivery date, make the product available at the dealer's place of business, and inform the dealer in what way the purchaser believes the product to be defective. Standard Warranty, Factory-Installed Undercarriage Warranty and/or StructurALL Warranty repairs may be made in the field if the purchaser and servicing dealer so desire. However, John Deere will not be responsible for any charges (such as dealer travel time, mileage or extra labor) that would not have been incurred had the product been repaired at the dealer's place of business.

J. NO IMPLIED WARRANTY, CONDITIONS OR OTHER REPRESENTATION -

Where permitted by law, neither John Deere nor any company affiliated with it makes any warranties, representations, conditions or promises, express or implied, as to the quality, performance, or freedom from defect of its products, other than those set forth in this document and NO IMPLIED WARRANTY OF MERCHANTABILITY, CONDITIONS OR FITNESS IS MADE.

K. NO DEALER WARRANTY -

The selling dealer makes no warranty of its own on any item covered by this warranty and makes no warranty on other items unless the dealer delivers to the purchaser a separate written warranty certificate specifically warranting the item. The dealer has no authority to make any representation or promise on behalf of John Deere, or to modify the terms or limitations of this warranty in any way.

L. USED JOHN DEERE PRODUCTS ONLY -

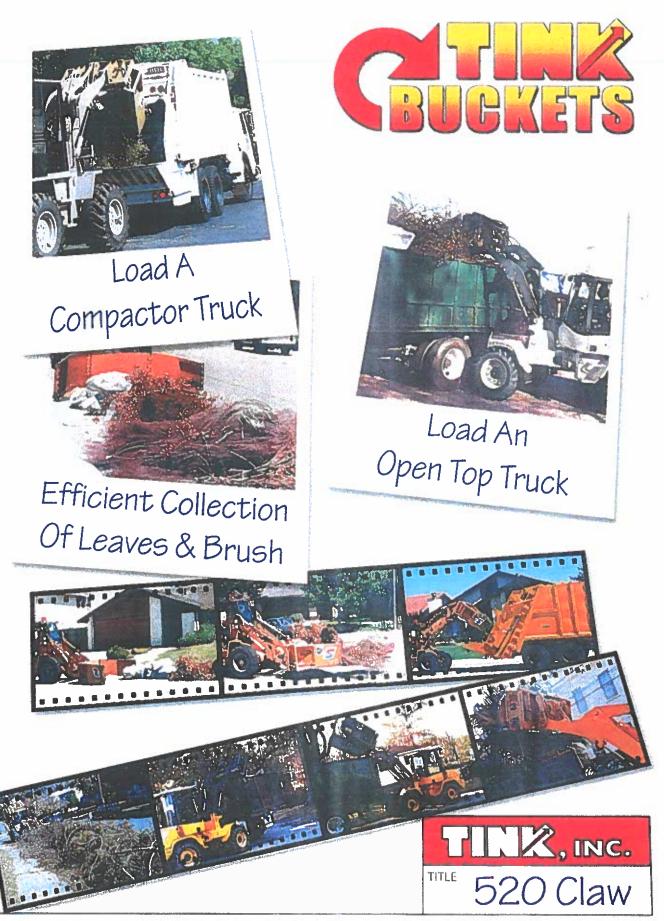
John Deere will transfer remaining Standard Warranty, Factory-Installed Undercarriage Warranty and/or StructurALL Warranty to the purchaser of a used John Deere construction and/or forestry product that has been used for less than the full warranty period provided at the product's original retail purchase. This transfer is not effective until change of ownership is registered by a John Deere dealer. ALL THE TERMS, INLCUDING LIMITATIONS AND EXCLUSIONS, OF THE JOHN DEERE STANDARD WARRANTY, FACTORY-INSTALLED UNDERCARRIAGE WARRANTY, AND/OR STRUCTURALL WARRANTY ORIGINALLY PROVIDED FOR THE PRODUCT REMAIN IN EFFECT AND APPLICABLE.

US/CAN DEERE Warranty Statement

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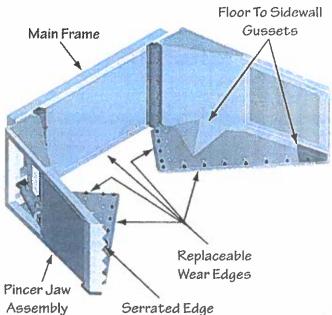
Effective 01 June 2022

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TINK, Inc. • 2361 Durham Dayton Hwy. • Durham. CA 95938 • 800-824-4163 • @ 2002 • CL1

DESIGN FEATURES



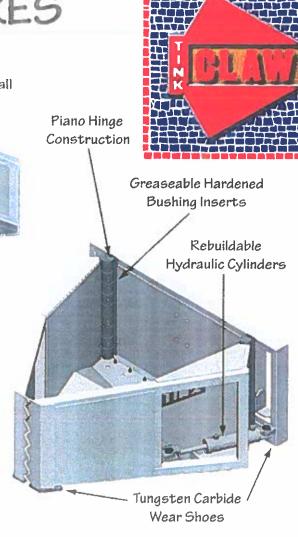
Tink 520 Claw

A special loader bucket that scoops leaves and loose garden waste out of the gutter and into disposal trucks at lower costs. The Claw can be mounted on most 34 to 1½ yard wheel loaders.

The Pincer Jaw Assembly is constructed of structural steel tubing welded together to form rigid rectangular frames. The framework is covered and strengthened with steel side panels. The serrated front edges assist in grasping and pinching materials.

Wear Provisions The underside of the Claw, which makes frequent contact with asphalt and other hard surfaces, is equipped with replaceable tungsten carbide wear shoes and hard steel blades that absorb a majority of the abrasion and wear. Tungsten carbide is an extremely hard material that is incorporated into the wear shoes to combine the highest wear and abrasion resistance possible with strength and impact resistance.

Piano-Hinge Construction The pincer jaw assembly is attached to the main frame with a 3 inch diameter plano-hinge that features a 1½ inch pin that won't shear on impact. More importantly the large diameter provides a vast amount of wear surface to promote long lasting life. The hinges include greasable hardened bushing inserts.



Hydraulic System The rebuildable twin cylinders that open and close the Claw are capable of developing pinch force necessary to grasp and hold materials too long or bulky to fit within the pincer bucket. The cylinders have a 3 inch bore, an 8 inch stroke and a 114 inch chrome hardened rod. Mechanical stops prevent cylinder damage by not allowing the cylinders to over extend during the Claw's duty cycle.

When the pincer jaws make contact with an immovable object the hydraulic cross over relief valve senses the obstruction a diverts the fluid away from the cylinders. This automatic action minimzes cylinder damage and premature hydraulic system failure.

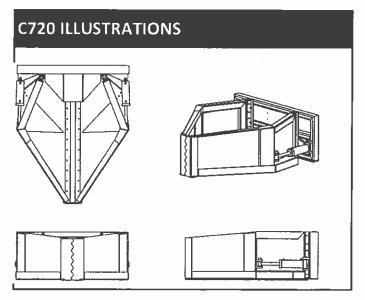
The flow divider distributes an equal amount of hydraulic fluid to each cylinder ensuring that the pincer jaws operate evenly and simultaneously.

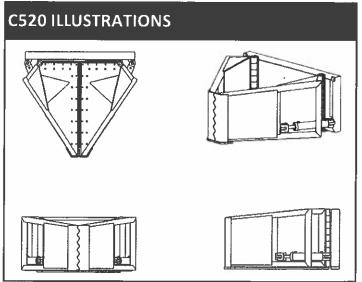
The 520 Claw hydraulic system is designed for machines having 8 to 50 gpm and 1500 to 3800 psi.

Prices and specifications are subject to change without notice.

TINK CLAW PRICES AND SPECIFICATIONS The Most Efficient Collection of Leaves and Brish MODEL CUBIC WIDTH WIDTH **BACK WALL** MAX **SHIP WEIGHT** LIST PRICE YARD CLOSED Doing business since 1976. NUMBER **OPEN** HEIGHT LENGTH WITH BRACKETS WITH BRACKETS C520 1.2 66" 96" 29" 57" 1725 LBS \$14,925 Tink is a name to trust. C720 2.7 69" 114" 29" 81" 2900 LBS \$19,100

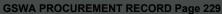
TINK CLAW SELECTION GUIDE	TIP LOAD FULL TURN	TIP LOAD STRAIGHT	CLAW	MODEL
100 Category - 1.0 Yard Loader	6,300 lbs.	7,200 lbs.	520	
125 Category - 1.25 Yard Loader	7,800 lbs.	9,000 lbs.	520	
150 Category - 1.50 Yard Loader	9,400 lbs.	10,900 lbs.	520	
175 Category - 1.75 Yard Loader	11,000 lbs.	12,700 lbs.	520	720
200 Category - 2.0 Yard Loader	12,600 lbs.	14,200 lbs.		720
225 Category - 2.25 Yard Loader	14,200 lbs.	16,500 lbs.		720
250 Category - 2.50 Yard Loader	15,700 lbs.	18,200 lbs.		720
275 Category - 2.75 Yard Loader	17,300 lbs.	20,100 lbs.		720





Prices and specifications subject to change without notice. Prices FOB Durham, CA. Effective 1/1/23

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MULTI-PURPOSE BUCKETS

TWO MODELS FOR EVERY APPLICATION

VERSATILE

Need to be able to grip, grab, pull and lift? Need to grade, doze, or dig and load? If so, your machine deserves a Rockland Multi-Purpose Bucket. These buckets are designed to perform and built to last. They deliver true versatility without changing attachments.

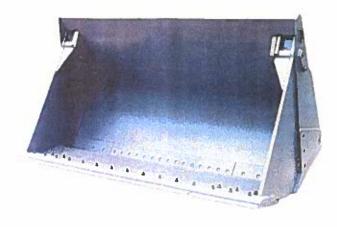
The MP is ideal for utility work and general contractors.

TWO MODELS FOR EVERY APPLICATION

It excavates, loads, and clears land—virtually whatever the job may require.

The MP-L was designed specifically for trash transfer stations. Its ability to crush, pick, sort, and doze really increases trash handling efficiency.

MP MULTI-PURPOSE



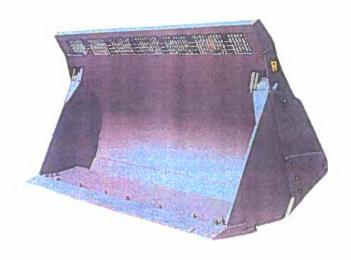
Rockland MP Buckets are ideal for utility work and general contractors.

BUILT TO LAST

Both models are built to last in the Rockland tradition. Heavy-duty clams, oversize pivots, and hard alloy wear strips guarantee years of dependable service. Hydraulics are the heart of any multi-purpose bucket and Rockland hydraulics are first-class. High pressure cylinders with special heat-treated, hard chrome-plated rods deliver dependability—year after year. All moldboards are reinforced with box sections and equipped with bolt-on cutting edges and replaceable end bits. Clams can be equipped with bolt-on cutting edges or the teeth of your choice.

This all adds up to versatility, productivity, and dependability. If you are thinking Multi-Purpose buckets, specify Rockland. You will be glad you did!

MP-L TRASH HANDLING



Transfer station operators appreciate the versatility of the Rockland MP-L because of the way it really speeds trash handling.

SPECTFICATIONS GSWA PROCUREMENT RECORD Page 230

MP MULTI-PURPOSE

MACHINE CLASS	5,1	.0	10		10)	10,	20	20,	30	20,	30	30.	40	4	0	40.	50
CAPACITY (Yd3)	1	.76	1.25	.96	1.375	1.05	1.5	1.15	1.75	1.34	2	1.53	2.25	1.72		1.91		
OAW (")	88	2235	89	2261	95	2413	95	2413	96	2438	96	2438	100	2540		2692		2692
CEW (")	86.5	2197	87.5	2223	93.5	2375	93	2362	94	2388	94	2388	98	2489		2642		2642
WEIGHT (lbs.)	1735	787	2045	928	2145	973	2360	1071	3060	1388	3260	1479	3600	1633		1719	4190	
MACHINE CLASS	50	0	5	0	50,	60	60)	60)	60,	70	70)	70		80	n
CAPACITY (Yd3)	3	2.29	3.25	2,48	3.5	2.68	3.75	2.87	4	3.06	4.25	3.25	4.5	3,44	4.75	3.63	5	3.82
OAW (")	110		110	2044	422												•	110
Ontil ()	116	2946	110	2946	122	3000	126	3200	132	3353	135	3429	144	3658	144	3658	144	3658
CEW (")	116	2946 2896		2896		3099 3048	126 124	3200	132 130	3353 3302	135 133	3429 3378		3658 3607		3658 3607	144 142	3658 3607
**			114	2896	120					3302	133	3378		3607	142	3607	144 142 8575	3607

CD	AW	WII.	ED	10	A	DFR
ur.		W IL	EK		44	

CKANTEK LUADI	CK																	
MACHINE CLASS	10)	10,2	20	20		20,	30	30	0	30,	40	40)	40,	50	5	0
CAPACITY (Yd3)	1	0.76	1.25	0.96	1.375	1.05	1.5	1.15	1.75	1.34	2		2.25	1.72		1.91	2,75	2.1
OAW (")	76	1930	80	2032	84	2134	84	21,34	90	2286	92	2337	96	2438	100	2540	100	2540
CEW (")	74	1880	78	1981	82	2083	82	2083	88	2235	90	2286	94	2388	98	2489	98	2489
WEIGHT (lbs.)	1765	801	2395	1086	2595	1177	2795	1268	3360	1524	3615	1640	3855		4300	1950	4655	
MACHINE CLASS	50,	60		50	6	i0												
CAPACITY (Yd3)	3	2.29	3.25	2.48	3.5	2,68												
OAW (")	106	2692	106	2692	110	2794												
CEW (")	104	2642	104	2642	108	2743												
WEIGHT (lbs.)	5320	2413	5620	2549	6720	3048	Specific	alions st	Diect to c	hange w	ithout no	tine						
(mni/kg)							11/1		,		Total Ind	4400						

MP-L TRASH HANDLING

MP-L Trash Handling Bucket capacity should be determined by the weight of the material usually handled and the operating capacity of the loader. Often a bucket larger than the standard multi-purpose bucket can be used to maximize productivity.

MACHINE CLASS	10	2	0	20)	30	D	30	0	4	0	4(D	5	0	50)	6	0
CAPACITY (Yd³)	2.75 2.	/ 2.75	2.1	4	3,06	4	3.06	5	3.82	5	3.82	6.75	5.16	6.75	5.16	7.75			
OAW (")	96 24.	38 9 6	2438	106	2692	106	2692	106	2692									130	
CEW (")	94 238	88 94	2388	104	2642											128			
WEIGHT (lbs.)	3295 149	3760	1706	4090	1855														
(mm/kg)										0 100		0000	-/20			ublect to			

INSTALLATION INFORMATION

Rockland MP buckets mount in place of the standard bucket using factory pins or specified coupler brackets. The loader must be equipped with a three-spool valve and boom arm piping. MP buckets come complete with jumper hoses to connect to standard boom arm piping.

WARRANTY

Rockland Muiti-Purpose Buckets are guaranteed against failure due to defective design, workmanship or materials for a period of two years or 4000 hours.



Distributed by:

ROCKLAND MANUFACTURING CO. P O BOX 5 BEDFORD, PA 15522 800-458-3773 www.rocklandmf@00b25

Haugen

Skid-Steer Pick-up Brooms

877-580-6218

Pick-up for Skidsteer Loaders

26 inch Diameter Brush

Sweep forward or reverse

Optional Gutter Broom

Optional Sprinkler Kit

Available in 60",72" and 84" widths



	SI	PECIFICATIONS	
Model	HPB 60	HPB 72	HPB 84
Sweeping Width	63"	75"	87"
Overall Width	70"	82"	94"
Overall Height	28"	28"	28"
Overall Front to Back	65"	65"	65"
Bristle Diameter	26"	26"	26"
Number of Bristles			20
Zig-zag	35	40	45
Bristle Material			45
(Standard)	Polypropylene	Polypropylene	Polypropylene
(Optional)	Poly/Steel Mix	Poly/Steel Mix	Poly/Steel Mix
Hydraulic Flow Min/Max	15/35	18 / 35	18 / 35
Hydraulic Pressure Max.	3500 Psi	3500 Psi	3500 Psi
Travel Direction	Forward / Reverse	Forward / Reverse	Forward / Reverse
Approximate Weight	995 ibs	1195 lbs	1395 lbs

Mary Haugen Enterprises Inc.

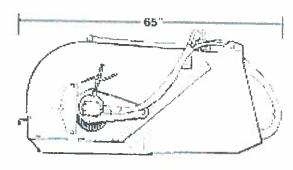
P.O. Box 868 • Casselton, ND 58012 • Phone: 701-347-4827 • Fax: 701-347-4830 Website: www.equipitnow.com • E-mail: haugen@equipitnow.oom26

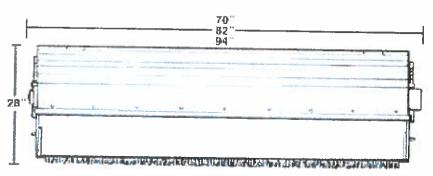
Pick-Up Broom

Specifications

Model	HPB 60	HPB 72	HPB 84
Overall Width	70*	82"	94.
Sweeping Width	63'	75°	87"
Overall Height	28°	28	28*
Overall Frent to Back	65	65	65*
Bristle Diameter	26	261	26°
No. at Bristles - Convoluted	35	40	45
Bristle Material - Standard	Polypropylene	Polypropylene	Polypropylene
- Optional	Poly/Steel Mix	Poly/Steel Mix	Poly/Steet Mix
Drive System	Hyd. Motor Direct Drive	Hyd. Motor Direct Drive	Hyd. Motor Direct Drive
Hydraulic Flow Min/Max	15/35	18/35	18/35
Hydraulic Pressure Max	3500 PSI	3500 PSI	3500 PSI
Travel Direction	Forward/Reverse	Forward/Reverse	Forward/Reverse
Approximate Weight	995 tbs	1195 lbs	1395 lbs
Optional Water Kit	Available	Available	Available

Pick-Up Broom Dimensions





- Besigned to be used on sed steer leaders with 1300 th or more filling capacity
- Specifications and designs are swiped to change without notice



Mary Haugen Enterprises Inc.
1851 Heartland Ave. - Casselton, ND 58012
Toll Free 877-580-6218

Phone: 701-347-4827 Fax: 701-347-4830 Website: www.haugenattachments.com
Email: haugen@equipitnow.com
000127

EXHIBIT 11



GUAM SOLID WASTE AUTHORITY

LOURDES A. LEON GUERRERO Governor of Guam

JOSHUA F. TENORIO Lt. Governor of Guam

IRVIN L. SLIKE General Manager



December 12, 2023

MEMORANDUM

To:

Irvin L. Slike, General Manager

From:

Alicia Fejeran, Chief of Administration

Subject:

Invitation for bid GSWA004-24, Compact Wheel Loader with Attachments

The bid opening took place as scheduled on December 5, 2023, at 1:00 PM, and there were a total of four registered prospective bidders who acquired the bid documents. Only two bids were submitted, which was Far East Equipment and Morrico Equipment.

				FAR EAS 2024 JOHN I	*	MORRICO 2024 CASE/PALADIN/WERK BRAU/TIN 221F/QB961L/WBLH92125/C520/21					
ITEM NO.	DESCRIPTION	QTY	иом	UNIT PRICE	PRICE EXT.	UNIT PRICE	PRICE EXT.				
1	Compact Wheel Loader with Attachments	1	EA	\$227,261.18	\$227,261	\$180,557.00	\$180,557.00				

While Morrico Equipment submitted the lower bid, a detailed analysis reveals significant deviations from the specifications outlined in the Invitation for Bid (IFB). The IFB requires specific equipment specifications, and Morrico Equipment's proposal deviates in the following key areas:

- 1. IFB Requirements: Max rise and fall single wheel: 15 inch max, 14 inch min.
 - a. Morrico offers a Rise and Fall single wheel of 11.8 inches.
 - b. GSWA clarified that this specification would not be changed in Q&C dated 11/13/23.
- IFB Requirements: Hydraulically driven, proportionally controlled fan or belt-driven fan
 - a. Morrico Deviation: Fan directly connected to the engine.
 - b. GSWA clarified that direct driven will no the acceptable in Q&C dated 11/13/23
- 3. IFB Requirements: 1.4CY multipurpose bucket. 12,800 lbs maximum
 - a. Morrico Deviation: 1.38 CY Multipurpose bucket
- 4. IFB Requirements: One (1) 60-inch pick up broom: 800lbs min, 900 lbs max.
 - a. Morrico Deviation: 946lbs pick up sweeper

Additionally, the bid offer was provided to the Superintendent and he confirmed that specification deviations were not acceptable.

The Morrico Bid, although lower in price, does not meet specifications required. Therefore, it is recommended that award be made to Far East Equipment due to meeting all requirements and price is within GSWA budget.

546 N. MARINE CORPS DRIVE, TAMUNING, GU 96913 * TEL: 671-646-3111 |
FAX: 671-649-3777
https://www.guamsolidwasteauthority.com/

Page 1 of 2



GUAM SOLID WASTE AUTHORITY

LOURDES A. LEON GUERRERO Governor of Guam JOSHUA F. TENORIO

IRVIN L. SLIKE General Manager



Your approval is hereby requested.

Approved

// Disapproved

Irvin L. Slike

Date

General Manager

	Opening Date Time 12 05 2023 1:00 PM	Delivery Specified in A B C D E F G H I ITEM/DESCRIPTION QTY. UNIT UNIT PRICE TOTAL PRICE	1 - 1 - 1 - 1 CANING WALE 1 227 26 18 227 26 18		attachient	John Deers	man -	7446	Los days MW				LEGENDS	Dened under my A. Affidavit Disclosing Ownership, Influence, Commissions & Conflict of Interest F. Affidavit re: Non-Collusion G. Affidavit re: Contingent Fees C. Affidavit re: No Gratuities or Kickbacks	D. Special Provision Restriction Against Sexual Offenders	E. Declaration re: Compliance with US DOL Wage Determination
ARSTRACT OF RID	ABSTRACT OF BIDS		1.												D. Special Provision Restriction Aga	E. Declaration re: Compliance with
Commander of the Comman		Acceptance D												onse to this invitation werr I bidders have been enter	Signature	Date
Number of Bids Received	COMPACT WHEEL LOADER ATTACH -	OFFEROR	far East Equipment	* Letter of credit provided	#Specs producess				7.12					in hereby certify that all blos are received in response to this invitation were opened under my personal supervision and that the same as of all bidders have been entered hereon.		Tabulated By





GUAM SOLID WASTE AUTHORITY

LOURDES A. LEON GUERRERO Governor of Guarri JOSHUA F. TENORIO

IRVIN SLIKE General Manager



BID STATUS

MORRICO EQUIPMENT
Attn: Paul Eustaquio
197 Ypao Rd.
Tamuning, Guam 96913
paul@morricoequipment.com
(671) 483-0180

BID INVITATION NO.; GSWA-004-24

OPENED: December 5, 2023

DESCRIPTION: COMPACT WHEEL LOADER W/ ATTACHMENTS

	Cance () ()	elled (in its entirety), or partially cancelled due to: Insufficient funds; Change of specifications; or Insufficient number of bidders						
ΧÌ	Rejected due to:							
•	()	Late submission of bid;						
	()	No bid security or insufficient bid security amount submitted; as required by section 11 of the General Terms and Conditions;						
	()	Not meeting the delivery requirements stated in the IFB;						
	(X)	Non-conformance with the specifications;						
	()	Inability to provide future maintenance and services equipment;						
	Ò	High price; or						
	ìì	Others						

The following is the result of the above-mentioned bid. Refer to the items checked below.

[X] Bid is recommended for award to: FAR EAST EQUIPMENT CO., LLC.

Thank you for your participation. Please send your authorized representative to pick up your original bid status and Cashier's Check, Letter of Credit, and/or Surety Bond.

	WLEDGEMEN to GSWA by en			
Received By	Paul Eus 12/13/2			
Company Name		Equipment		
Fax to: 671 649-3777				

Email: procurement@gswa.guam.gov

IRVIN L. SLIKE, General Manager



GUAM SOLID WASTE AUTHORITY

LOURDES A. LEON GUERRERO Governor of Guarri

JOSHUA F. TENORIO Lt. Governor of Green IRVIN SLIKE General Manager



December 15, 2023

BID STATUS

MORRICO EQUIPMENT
Attn: Paul Eustaquio
197 Ypao Rd.
Tamuning, Guam 96913
paul@morricoequipment.com
(671) 483-0180

BID INVITATION NO.; GSWA-004-24

OPENED: December 5, 2023

DESCRIPTION: COMPACT WHEEL LOADER W/ ATTACHMENTS

The following is the result of the above-mentioned bid. Refer to the items checked below.

[]	Cance () ()	eiled (in its entirety), or partially cancelled due to: Insufficient funds; Change of specifications; or Insufficient number of bidders								
[X]	Rejected due to:									
	()	Late submission of bid;								
	()	No bid security or insufficient bid security amount submitted; as required by section 11 of the General Terms and Conditions;								
	()	Not meeting the delivery requirements stated in the IFB:								
	(X)	Non-conformance with the specifications;								
	()	Inability to provide future maintenance and services equipment;								
	()	High price; or								
	()	Others								

REMARKS: Deviation from bid specifications are non-compliant. Requirement of bid "Max rise and fall single wheel: 15-inch maximum, 14-inch minimum"; Offered: rise and fall single wheel of 11.8 inches. Requirement of bid: "Hydraulically driven, proportionally controlled fan or belt-driven fan"; Offered: Fan directly connected to engine. Requirement "1.4CY multi-purpose bucket. 12,800 lbs. maximum"; Offered: 1.38CY multi-purpose bucket. Requirement of bid "One (1) 60-inch pick-up broom: 800lbs. minimum, 900lbs. maximum"; Offered: 946lbs. pick-up sweeper.

[X] Bid is recommended for award to: FAR EAST EQUIPMENT CO., LLC.

Thank you for your participation. Please send your authorized representative to pick up your original bid status and Cashier's Check, Letter of Credit, and/or Surety Bond.

IRVIN L. SLIKE, General Manager ACKNOWLEDGEMENT RECEIPT Return to GSWA by email or fax.

Received B

Date

Company Name /2

Fax to: 671 649 3777

Email: procurement@gswa.guam.gov

546 N. Marine Corps Drive, Tamuning, GU 96913 | Tel: 671-646-3111 | Fax: 671-649-3777 https://www.guamsolidwasteauthority.com







GSWA Procurement procurement@gswa.guam.gov>

Market Research to Acquire Compact Wheel Loader & Attachments

1 message

19 October 2023 at 10:24

To: Ryne Santos <rsantos@fareastequipment.com>, Marisa Reyes <mreyes@fareastequipment.com> Co: Alicia Fejeran <alicia.fejeran@gswa.guam.gov>, Keilani Mesa <keilani.mesa@gswa.guam.gov>

Håfa Adai!

The Guam Solid Waste Authority is conducting market research of equipment dealerships to provide a Compact Wheel Loader & attachments to include coupling mechanisms, forks, bucket with bold on edge, claw bucket & pick-up broom for the Guam Solid Waste Authority. Please respond via return email if your company can provide the required equipment and estimated time of availability.

Should you have any question or concerns, please contact GSWA Chief of Administration, Alicia Fejeran, at (671) 646-3111 or via email at procurement@gswa.guam.gov.



Si Yu'os Ma'ase,

Camaryn Aguon

Buyer I

GUAM SOLID WASTE AUTHORITY

546 N. Marine Corps Dr., Tamuning, Guam 96913

T: (671) 646-3111 | F: (671) 649-3777

W: www.gswa.guam.gov







Market Research to Acquire Compact Wheel Loader & Attachments

1 message

GSWA Procurement curement@gswa.guam.gov>

19 October 2023 at 10:24

To: derrick@guamautospot.com

Cc: Alicia Fejeran <alicia.fejeran@gswa.guam.gov>, Keilani Mesa <keilani.mesa@gswa.guam.gov>

Håfa Adai!

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Si Yu'os Ma'ase,

Camaryn Aguon

Buyer I

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T: (671) 646-3111 | F: (671) 649-3777

W: www.gswa.guam.gov

Market Research to Acquire Compact Wheel Loader & Attachments

1 message

19 October 2023 at 10:24

To: Jimmy Cruz <JPCRUZ@hawthornecat.com>, Eric Aquai <eaquai@hawthornecat.com> Co: Alicia Fejeran <alicia.fejeran@gswa.guam.gov>, Keilani Mesa <keilani.mesa@gswa.guam.gov>

Håfa Adai!

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Si Yu'os Ma'åse,

Camaryn Aguon

Buyer I

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T: (671) 646-3111 | F: (671) 649-3777

W: www.gswa.guam.gov



Market Research to Acquire Compact Wheel Loader & Attachments

1 message

19 October 2023 at 10:25

To: Rene Molinos <Rene@morricoequipment.com>, Phillip Bonner <Phillip.Bonner@morricoequipment.com> Cc: Alicia Fejeran <alicia.fejeran@gswa.guam.gov>, Keilani Mesa <keilani.mesa@gswa.guam.gov>

Håfa Adai!

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Should you have any question or concerns, please contact GSWA Chief of Administration, Alicia Fejeran, at (671) 646-3111 or-via email at procurement@gswa.guam.gov.



Si Yu'os Ma'ase,

Camaryn Aguon

Buyer I

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546 N. Marine Corps Dr., Tamuning, Guam 96913

T: (671) 646-3111 | F: (671) 649-3777 W: www.gswa.guam.gov







GSWA Procurement curement@gswa.guam.goy>

Market Research to Acquire Compact Wheel Loader & Attachments

10 messages

19 October 2023 at 10:24

To: "Mark S. Cruz" <mcruz@midpacfareast.com>

Cc: Alicia Fejeran <alicia.fejeran@gswa.guam.gov>, Keilani Mesa <keilani.mesa@gswa.guam.gov>

Håfa Adai!

The Guam Solid Waste Authority is conducting market research of equipment dealerships to provide a Compact Wheel Loader & attachments to include coupling mechanisms, forks, bucket with bold on edge, claw bucket & pick-up broom for the Guam Solid Waste Authority. Please respond via return email if your company can provide the required equipment and estimated time of availability.

Should you have any question or concerns, please contact GSWA Chief of Administration, Alicia Fejeran, at (671) 646-3111 or via email at procurement@gswa.guam.gov.



Si Yu'os Ma'åse.

Camaryn Aguon

Buyer I

GUAM SOLID WASTE AUTHORITY

546 N. Marine Corps Dr., Tamuning, Guam 96913

T: (671) 646-3111 | F: (671) 649-3777 W: www.gswa.guam.gov

Mark S. Cruz <mcruz@midpacfareast.com>

19 October 2023 at 10:42

To: Alicia Fejeran <alicia.fejeran@gswa.guam.gov>

<ccamacho@midpacfareast.com>, Joshua Reyes <ireyes@midpacfareast.com>

Hafa Adai Alicia,

Do you have a Make/Model we can use as a reference?

It sounds like you may be looking for a Skid-Steer Loader. Please see attached brochure.

Best Regards & Stay Safe,

Mark S. Cruz Sales Manager Mid Pac Far East, LLC M: (671) 486-2789

[Quoted text hidden]



SSL-Brochure-EN (2022).pdf 17358K

Or maybe the attached Articulated Compact Wheel Loader.

Best Regards & Stay Safe,

Mark S. Cruz Sales Manager

Mid Pac Far East, LLC

M: (671) 486-2789

[Quoted text hidden]

7

CWL-brochure-EN (2022).pdf

19 October 2023 at 10:48

To: "Mark S. Cruz" <mcruz@midpacfareast.com>

Cc: Alicia Fejeran <alicia.fejeran@gswa.guam.gov>, Keilani Mesa <keilani.mesa@gswa.guam.gov>, Chris Camacho <ccamacho@midpacfareast.com>, Joshua Reyes <jreyes@midpacfareast.com>

Hi, Mark!

Thank you for the information. We will look into this & get back to you.

Best Regards, Camaryn

[Quoted text hidden]

19 October 2023 at 10:54

To: "Mark S. Cruz" <mcruz@midpacfareast.com>

Cc: Alicia Fejeran <alicia.fejeran@gswa.guam.gov>, Keilani Mesa <keilani.mesa@gswa.guam.gov>, Chris Camacho <ccamacho@midpacfareast.com>, Joshua Reyes <jreyes@midpacfareast.com>

Hi, Mark.

The Compact Wheel Loader is what we are looking for. If we were to purchase this, can I get a timeframe for when it will be here?

Best Regards, Camaryn

[Quoted text hidden]

Mark S. Cruz <mcruz@midpacfareast.com>

19 October 2023 at 10:57

To: GSWA Procurement curement@gswa.guam.gov>

Cc: Alicia Fejeran <alicia.fejeran@gswa.guam.gov>, Keilani Mesa <keilani.mesa@gswa.guam.gov>, Chris Camacho <ccamacho@midpacfareast.com>, Joshua Reyes <jreyes@midpacfareast.com>

Which size?

Best Regards & Stay Safe.

Mark S. Cruz Sales Manager

Mid Pac Far East, LLC

M: (671) 486-2789

[Quoted text hidden]

To: Roman Perez <roman.perez@gswa.guam.gov>, Irvin Slike <irvin.slike@gswa.guam.gov>

Hi, Mr. Slike / Roman!

MidPac would like to know what size of the Compact Wheel Loader we are looking at purchasing so he can get an ETA. Please advise.

Thank you!

Best Regards, Camaryn

[Quoted text hidden]



CWL-brochure-EN (2022).pdf 15560K

Irvin Slike <irvin.slike@gswa.guam.gov>

19 October 2023 at 16:53

It is similar to John Deere 244/P or equal horse power and weight

[Quoted text hidden]

19 October 2023 at 17:02

To: "Mark S. Cruz" <mcruz@midpacfareast.com>

Cc: Alicia Fejeran <alicia.fejeran@gswa.guam.gov>, Keilani Mesa <keilani.mesa@gswa.guam.gov>, Chris Camacho <ccamacho@midpacfareast.com>, Joshua Reyes <jreyes@midpacfareast.com>

Hi, Mark.

Sorry for the delay. Per our GM, the size we are looking for is similar to John Deere 244/P or equal horsepower & weight. The specs are as follows:

- Net Power: 52 kW (71 hp) at 2,400 rpm
- Operating Weight: 5560 kg (12,258 lb.)
- Bucket Capacity: 0.8-1.1 m3 (1.0-1.4 cu. yd.)

Best Regards, Camaryn

[Quoted text hidden]

25 October 2023 at 11:07

To: "Mark S. Cruz" <mcruz@midpacfareast.com>

Cc: Alicia Fejeran <alicia.fejeran@gswa.guam.gov>, Keilani Mesa <keilani.mesa@gswa.guam.gov>, Chris Camacho <ccamacho@midpacfareast.com>, Joshua Reyes <jreyes@midpacfareast.com>

Hi, Mark. Following up on the ETA of the Compact Wheel Loader. Please advise.

Thank you!

Best Regards, Camaryn

[Quoted text hidden]





GSWA-004-24: Compact Wheel Loader w/ Attachments

1 message

20 November 2023 at 17:09

To: Paul Eustaquio <paul@morricoequipment.com>

Cc: Alicia Fejeran <alicia.fejeran@gswa.guam.gov>, Keilani Mesa <keilani.mesa@gswa.guam.gov>, Irvin Slike <irvin.slike@gswa.guam.gov>

Håfa Adai!

Please see attached documents for your reference:

- · Questions & Concerns
- Amendment No. 2

Please sign the acknowledgement portion on the bottom of the page & submit back at your earliest convenience.

Thank you!



Si Yu'os Ma'åse,

Camaryn Aguon

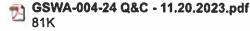
Buyer I

GUAM SOLID WASTE AUTHORITY

546 N. Marine Corps Dr., Tamuning, Guam 96913

T: (671) 646-3111 | F: (671) 649-3777 W: www.gswa.guam.gov

2 attachments











GSWA Procurement curement@gswa.guam.gov>

IFB No. GSWA-004-24: Compact Wheel Loader w/ Attachments

John Limtiaco <jlimtiaco@fareastequipment.com>

28 December 2023 at 18:49

To: GSWA Procurement procurement@gswa.guam.gov>

Cc: Ryne Santos crsantos@fareastequipment.com>, Alicia Fejeran <alicia.fejeran@gswa.guam.gov>, Keilani Mesa <keilani.mesa@gswa.guam.gov>, Irvin Slike <irvin.slike@gswa.guam.gov>

Dear GSWA Procurement.

Far East Equipment would like to state for the record that the products we offered are not all supplied by John Deere and several products had to be sourced by other suppliers and custom made to meet the GSWA bid specifications. Moricco's suggestion that GSWA has to accept the minimum or base specification that Case or its other suppliers has to offer is nonsense. Moricco had the opportunity just like Far East Equipment to find suppliers who would custom make the attachments per the GSWA requirement and not deviate from the requested specifications.

Morocco also had the opportunity to request and have their deviations approved by GSWA which they did not. Moricco should not be allowed to offer whatever they have and expect it to be acceptable simply because they cost less. Allowing this would prejudice Far East from their effort to meet the specification requested by GSWA without deviation.

Sincerely, John A. Limtiaco President Corporate Office: 671-473-4374 DID: 671-473-7378 M: 671-888-6270



[Quoted text hidden]

Small Wheel Loader and Attachments

Engine

Gross HP at 2400 RPM 73 HP minimum

Peak Torque at 1560 RPM 206 foot lbs min

Emissions Compliant with EPA Final Tier 4/EU Stage V

Cylinders four

Powertrain

Powertrain Hydrostatic with infinitely variable speed control over full range

of operating speeds. 2 speed ranges, joystick mounted F-N-R,

acceleration pedal.

Axles Fixed, 100% differential, manually engaged front axle, fixed

conventional differential rear axle

Max rise and fall single wheel 15 inches maximum , 14 inch minimum

Brakes (service) Hydraulically activated, self adjusting internal wet disc brakes

and driveline drum brake

Cooling

Fan Hydraulically driven, proportionally controlled

Articulation Angle 30 degrees each direction

Cylinders Heat treated chrome plated polished cylinder rods, hardened

Steel, replaceable bushings and pivot pins

Hydraulics

Main pump (loader and steering) 18 GPM standard, 29 GPM with high flow option.

Quick Coupling Conforms with ISO 16028 quick coupling for all attachments

Electrical

Voltage 12 volt

of Batteries 1

Battery Capacity 925 CCA

Cab

Seat Air ride high back with head rest and dual lumbar support

Noise Operator ear 70 dBA, Bystander 101 dBA

Air conditioning

Steering Dual tilt and telescoping steering column

Performance Conforms with SAE J1040, SAE J231, ISO 3471 and ISO 3449

ROPS/FOPS

Operating Weight

ISO quick coupler and 1CY general purpose bucket/bolt on edge 12,250 lbs minimum

1.4 CY bucket 12,800 maximum

Wheelbase 7 feet minimum

Dump clearance 40 degree full height 8 feet 3 inches

Reach 40 degree full height 32 inches

Fork height fully raised 10 feet minimum

Fork Tipping load straight 7000 lb minimum

Attachments

ISO quick coupling mechanism Conforms with ISO 16028

1.4 CY bucket with bolt on edge

Tink claw bucket model 720 or equal

60 inch pick-up broom 800 lb minimum 900 pound maximum

Forks 48 inches minimum



Small Wheel loader and attachments

5 messages



28 August 2023 at 10:53

Irvin Slike <irvin.slike@gswa.guam.gov>

Cc: Roman Perez <roman.perez@gswa.guam.gov>, Dennis Mendiola <dennis.mendiola@gswa.guam.gov>

Cam.

When you get a chance could you format this into a Guam spec sheet?

Roman and Dennis look these over and add any features you may want



Small Wheel Loader and Attachments.docx

15K

To: Irvin Slike <irvin.slike@gswa.guam.gov>

Cc: Roman Perez <roman.perez@gswa.guam.gov>, Dennis Mendiola <dennis.mendiola@gswa.guam.gov>

Will work on this today!

[Quoted text hidden]

Roman Perez <roman.perez@gswa.guam.gov>

To: GSWA Procurement curement@gswa.guam.gov>

Cc: Irvin Slike <irvin.slike@gswa.guam.gov>, Dennis Mendiola <dennis.mendiola@gswa.guam.gov>

Looks good, thanks!

[Quoted text hidden]



28 August 2023 at 11:54

28 August 2023 at 10:56

Irvin Slike <irvin.slike@gswa.guam.gov>

11 October 2023 at 11:21

To: GSWA Procurement curement@gswa.guam.gov>, Alicia Fejeran <alicia.fejeran@gswa.guam.gov>, Kathrine Kakigi <kkakigi.gswa@gmail.com>

Could we put this bid out?

[Quoted text hidden]



Small Wheel Loader and Attachments.docx

15K

Alicia Fejeran <alicia.fejeran@gswa.guam.gov>

11 October 2023 at 11:46

To: Irvin Slike <irvin.slike@gswa.guam.gov>

Cc: GSWA Procurement cprocurement@gswa.guam.gov>, Kathrine Kakigi <kkakigi.gswa@gmail.com>

Yes, Cam will get a price estimate so we can identify our budget for this.

Thanks, Alicia

(Quoted text hidden)

PRODUCT SPECIFICATIONS FOR 906



ENGINE

Maximum Gross Power	74.7 HP
Engine Model	Cat C2.8*
Maximum Engine Speed	2550 rpm
Maximum Gross Power - Rated Engine Speed	2400 r/min
Maximum Gross Power - SAE J1995	74.7 HP
Maximum Gross Power - ISO 14396	74.3 HP
Maximum Gross Power - ISO 14396 (metric)	75.3 mhp
Rated Net Power - Rated Engine Speed	2400 r/min
Rated Net Power - SAE J1349	72.7 HP
Rated Net Power - ISO 9249	72.1 HP
Rated Net Power - 2,400 rpm - ISO 9249 (metric)	73.1 mhp
Maximum Gross Torque - SAE J1995	222 lb/ft
Maximum Gross Torque - ISO 14396	221 lb/ft
Maximum Net Torque - SAE J1349	218 lb/ft
Maximum Net Torque - ISO 9249	217 lb/ft
Displacement	171 in ³
Bore	3.54 in
Stroke	4.33 in
Note	Advertised power is tested per the specified standard in effect at the time of manufacture.
Note (1)	Net power advertised is the power available at the flywheel.
Note (2)	*Two Cat C2.8 engine emission options are available: 1) Meets U.S. EPA Tier 4 Final, EU Stage V. 2) U.S. EPA Tier 3 and EU Stage IIIA equivalent. Tier 3 engine specs are 0.3 kW/0.4 hp more gross power (SAE J1995), 0.2 kW/0.3 hp on net power (SAE J1349) and 1 N·m/0.7 lb-ft higher on gross torque (SAE J1995).
Note (3)	#Maximum gross and net torque measured at 1,600 rpm.

WEIGHTS

Operating Weight 12628 lb

BUCKETS

Note

Bucket Capacities 0.75-1.55 m³ (1.0-2 yd³) **Bucket Capacities - General Purpose** 0.80-1.35 m³ (1.0-1.7 yd³) **Bucket Capacities - Light Material** 1.25-1.55 m³ (1.6-2 yd³)

0.75-1.1 m³ (1.0-1.4 yd³) **Multi-Purpose**

> Bucket selection must be made with an understanding of the material density and application to ensure machine stability is maintained within the tipping loads stated per

model and configuration.

Bucket capacities stated include BOCE, in line Note (1)

with ISO 7546.

SERVICE REFILL CAPACITIES

Fuel Tank 18.5 Gal 3.2 Gal **Cooling System Engine Crankcase** 2.3 Gal **Axles - Front Center Differential** 2.3 Gal **Axles - Rear Center Differential** 2.3 Gal **Hydraulic System - Including Tank** 17.8 Gal **Hydraulic Tank** 11.8 Gal **Transmission** 0.6 Gal

No Diesel Exhaust Fluid (DEF) fluid needed on Note

this size engine.

AXLES

Front Fixed (standard) Locking Differential (optional) Rear Fixed (standard) Locking Differential (optional) Oscillation of ±11 degrees via hitch between Note front and rear frames.

STEERING

Steering Articulation Angle - Each Direction 39 °

Maximum Flow - Steering Pump 12.3 gal/min

Maximum Working Pressure - Steering 3336 psi

Pump

Steering Cycle Times – (full left to full right) 2.8 s

- at High Idle

Number of Steering Wheel Turns - Full Left to Full Right or Full Right to Full Left

3.25 turns or 4.00 turns

TRANSMISSION

Forward and Reverse - Speed Range Creep# 6 mile/h

Forward and Reverse - Speed Range 1*

6 mile/h

Forward and Reverse - Speed Range 2** -

10.5 mile/h

High Speed

Forward and Reverse - Speed Range 2** -

Standard

12 mile/h

Forward and Reverse - Speed Range 3***

25 mile/h

Note

#Factory default shown, can be adjusted to any speed up to 19 km/h (12 mph).

Note (1)

*Creep function not available in this gear or

above.

Note (2)

**Max speed dependent on model and configuration (standard vs. high speed

transmission).

Note (3)

***Reverse is 30 km/h (19 mph).

TIRES

Note (3)

Tire Size - Standard *405/70 R18 SPT9

Tire Size - Optional 405/70 R18 Powerloads Tire Size - Optional (1) 340/80 R18 XMCL/Bibload

Tire Size - Optional (2) 340/80 R18 TRI 2 Tire Size - Optional (3) 40X14-20 TL. SM/TR Tire Size - Optional 4 340/80 R18 Duraforce

*This tire has been used for all dimension. Note

stability and performance data.

Other tire choices are available. Contact your Note (1)

Cat dealer for details.

In certain applications, the loader's productive Note (2)

capabilities may exceed the tire's tonnes-km/h

(ton-mph) capabilities.

Caterpillar recommends that you consult a tire

supplier to evaluate all conditions before

selecting a tire model.

CAB

Note (1)

ROPS ISO 3471:2008

FOPS ISO 3449:2005 Level II

Canopy and cab, Rollover Protective

Structures (ROPS) are available worldwide.

Canopy not available in EU.

LOADER HYDRAULIC SYSTEM

Main Relief - 1st Auxiliary (3rd slice) 3408 psi

Main Relief - 1st Auxiliary (3rd slice) - 21 gal/min

Standard Flow*

Main Relief - 1st Auxiliary (3rd slice) - High 32 gal/min

Flow*

Main Relief - 2nd Auxiliary (4th slice) 3408 psi

Main Relief - 2nd Auxiliary (4th slice) - Flow 12 gal/min

Hydraulic Cycle Time - Rackback 2.2 s
Hydraulic Cycle Time - Lift 5 s
Hydraulic Cycle Time - Dump 1.6 s

Hydraulic Cycle Time - Float Down 2.8 s

* Maximum flow stated, actual flow delta could be 6% from data shown. Also adjustable from

20% to 100% of maximum flow through display.

DIMENSIONS - WITH HPL-V COUPLER - APPROXIMATE#

Height: Ground to Cab** 8.08 ft Height: Ground to Beacon** 8.67 ft 1.58 ft Height: Ground Axle Center** 1 ft Height: Ground Clearance** 17.58 ft Length: Overall* 4.58 ft Length: Rear Axle to Bumper Length: Hitch to Front Axle 3.58 ft 7.08 ft Length: Wheel Base 8.25 ft Clearance: Bucket at 45° * Clearance: Load over Height** 9.5 ft Clearance: Level Bucket** 9.92 ft Height: Bucket Pin** 10.67 ft Height: Overall** 13.5 ft Reach: Bucket at 45° * 2.42 ft Carry Height: Bucket Pin 1.08 ft

Dig Depth**	0.33 ft
Width: Bucket	6.17 ft
Width: Tread Center	4.67 ft
Turning Radius: Over Bucket	14.17 ft
Width: Over Tires	6.08 ft
Turning Radius: Outside of Tires	12.92 ft
Turning Radius: Inside of Tires	6.75 ft
Rack Angle at Full Lift	56°
Dump Angle at Full Lift	45°
Rack Angle at Carry	51°
Departure Angle - Degrees	30°
Articulation Angle - Degrees	39°
Operating Weight: Bucket^	12632 lb
Tipping Load - Straight - ISO 14397-1†	9760 lb 8225 lb
Tipping Load - Full Turn - ISO 14397-1† Operating Weight: Carriage and Tines^^	12240 lb
Tipping Load - Straight†	7748 lb
80% of Tip: Firm and Level EN474-3††	5211 lb
Note (1)	*Vary with bucket
Note (2)	**Vary with tire
, , , , , , , , , , , , , , , , , , ,	^Horizontal Pin Lock Coupler (HPL-V) or
Note (3)	Vertical Pin Coupler (SSL), 0.95 m3 (1.2 yd3)
	general purpose bucket.
	^^Horizontal Pin Lock Coupler (HPL-V) or
Note (4)	Vertical Pin Coupler (SSL), class II carriage,
	1220 mm (4 ft) tines (500 mm [20 in] load center).
	†Full compliance to ISO 14397-1 (2007)
Note (5)	Sections 1 thru 6 (fork 500 mm [20 in] load
	center), which requires 2% verification between
Note (6)	calculation and testing.
Note (6)	††Full compliance to EN474-3 and SAE J1197.
Note (7)	#HPL-A weight, tipping and rated loads are within 1% of the HPL-V.
	Dimensions listed are for a machine configured
	with standard cab, heater, 20 km/h (12 mph),
	standard guarding, 80 kg (176 lb) operator, full
Note (8)	fluids, SPT9EM 405/70 R18 tires and 0.95 m3
	(1.2 yd3) general purpose bucket with bolt-on cutting edge or a class II fork carriage and
	tines (tire supplier variability can impact
	dimensions by 2%).
	Note: Goodyear POWERLOAD® tires can add
Note (0)	up to approximately 140 kg (305 lb) to the full
Note (9)	turn tip load and reduce vertical height by approximately 25 mm (1 in) compared to
	SPT9.
Length: Front Axle to Front of Coupler	3.5 ft
Tipping Load - Full Turn†	6514 lb
-	

DIMENSIONS - WITH SSL COUPLER - APPROXIMATE

Halakt Crawalta Cab	0.00.4
Height - Ground to Cab	8.08 ft
Height: Ground to Beacon**	8.67 ft
Height: Ground Axle Center**	1.58 ft
Height - Ground Clearance	1 ft
Length - Overall with Bucket	18.17 ft
Length: Rear Axle to Bumper	4.58 ft
Length: Hitch to Front Axle	3.58 ft
Length - Wheel Base	7.08 ft
Clearance - Bucket at 45°	7.83 ft
Clearance: Load over Height**	9.5 ft
Clearance - Level Bucket	9.92 ft
Height - Bucket Pin	10.67 ft
Height: Overall**	13.83 ft
Reach - Bucket at 45°	2.67 ft
Carry Height: Bucket Pin	1.17 ft
Dig Depth	0.25 ft
Width - Bucket	6.17 ft
Width - Tread Center	4.67 ft
Turning Radius - Over Bucket	14.67 ft
Width - Over Tires	6.07 ft
Turning Radius: Outside of Tires	12.92 ft
Turning Radius - Inside Tire	6.75 ft
Rack Angle at Full Lift	51°
Dump Angle at Full Lift	50°
Rack Angle at Carry	46°
Departure Angle - Degrees	30°
Articulation Angle - Degrees	39°
Operating Weight: Bucket^	12863 lb
Tipping Load – Straight – ISO 14397-1†	8613 lb
Tipping Load – Full Turn – ISO 14397-1†	7220 lb
Operating Weight: Carriage and Tines^^	12434 lb
Tipping Load - Straight†	7359 lb
80% of Tip: Firm and Level EN474-3††	4970 lb
Note (1)	*Vary with bucket
Note (2)	**Vary with tire
Note (3)	^Horizontal Pin Lock Coupler (HPL-V) or Vertical Pin Coupler (SSL), 0.95 m3 (1.2 yd3) general purpose bucket. ^^Horizontal Pin Lock Coupler (HPL-V) or
Note (4)	Vertical Pin Coupler (SSL), class II carriage, 1220 mm (4 ft) tines (500 mm [20 in] load center).

†Full compliance to ISO 14397-1 (2007)

Sections 1 thru 6 (fork 500 mm [20 in] load center), which requires 2% verification between

calculation and testing.

Note (6) ††Full compliance to EN474-3 and SAE J1197.

#HPL-A weight, tipping and rated loads are

within 1% of the HPL-V.

Dimensions listed are for a machine configured with standard cab, heater, 20 km/h (12 mph), standard guarding, 80 kg (176 lb) operator, full fluids, SPT9EM 405/70 R18 tires and 0.95 m3 (1.2 yd3) general purpose bucket with bolt-on cutting edge or a class II fork carriage and

tines (tire supplier variability can impact

dimensions by 2%).

Note: Goodyear POWERLOAD® tires can add up to approximately 140 kg (305 lb) to the full turn tip load and reduce vertical height by approximately 25 mm (1 in) compared to

SPT9.

Tipping Load - Full Turn†

Length: Front Axle to Front of Coupler

2818 kg 4.33 ft

SUSTAINABILITY

Note (5)

Note (7)

Note (8)

Note (9)

Recyclability 93%

906 STANDARD EQUIPMENT

ELECTRICAL

- Product Link™
- Service (Electronic Technician™)
- · Lights, roading, front halogen
- Lights, rear stop and turn, LED
- Cab mounted fuse panel
- Battery disconnect switch
- Battery, heavy duty, 12V, 90Ah and 1,000 CCA
- Alternator, 100 amp sealed

HYDRAULICS

- Motor, single drive with dedicated implement and steering pumps
- · Multi-function lift and tilt with loader arm float
- Joystick, single lever, single auxiliary roller
- Implement vaive, pressure compensated
- Hystat displacement pump, infinitely variable
- Caterpillar HYDO™ Advanced 10 hydraulic oil
- Coupler/pin on attachment ready
- Demand cooling fan, hydraulically driven
- Dead engine lower, lift valve, manual
- Electro-hydraulic, fully proportional controls
- Hydraulic pilot shut off switch, in cab

OPERATOR ENVIRONMENT

- Cab
 - Doors (2), fixed glass
 - Wipers, front and rear, full front coverage
 - Windshield, front single piece
 - Window, rear heated
 - Radio ready, speakers and wiring
 - Air vents, (4) screen, (7) directional
 - Heating, mechanical control unit
 - Sun visor, solid, front full width
 - Interior light (incandescent)
- Seat, manual height adjustment, (cab) fabric with adjustable left arm rest, (canopy) vinyl
- · Joystick, seat mounted, standard multifunction
 - FNR, auxiliary roller, speed range select, continuous flow, differential lock, horn
 - Arm rest, padded right, multiple position vertical height
- · Display, analog and digital
 - Gauges (2), hydraulic oil, engine coolant
 - Digital with soft touch buttons fuel level, speed range, speedometer, service hour meter, service/maintenance information, hydraulic and power train performance and aggressiveness settings, security passcode (multiple languages)
- ROPS/FOPS certified canopy/cab
 - 12V power outlets, interior/exterior
 - Pedals, raised, foot, brake/inching, accelerator
 - Lever, parking brake
 - Cup holders (2)
 - CB radio clip, phone holder

- Door release, internal (left and right)
- Hook, large, coat and hard hat
- Floormat, heavy duty, easy clean
- Mirrors, (2) external breakaway, (1) internal
- Operator station on isolation mounts
- Steering wheel, spinner knob, horn in center
- Seat belt, orange, retractable, 51 mm (2 in)
- Storage, personal (trays [3], seat pocket)
- Steering column, tilt adjusted
- Column mounted multi function control: lights, roading, wipers, self cancelling turn signals
- Quick coupler switch, in cab

OTHER

- Scheduled Oil Sampling (S·O·SSM) ports, engine oil and hydraulic oil
- Recovery hitch with pin
- Paint, Electro-Coat primer, gloss topcoat
- Machine lifting/tie down points
- Lockable, fuel cap, HVAC filters, nose cone
- Lockable main and side engine enclosures
- Loader arm safety brace
- Ground level easy access daily service points
- · Fenders, front and rear

POWER TRAIN

- Fuel pump, priming (manual)/water separator/drain
- Engine oil, ECO drain tap and hose
- Engine, auto idle shutdown, hibernation mode
- Drive shaft, sealed for life, universal joints
- Coolant, extended life, –36° C (–33° F)
- Closed circuit breather
- Axles, heavy duty, frame mounted with outboard planetary reduction
- Air cleaner, two stage filter, with in cab audio/visual indicator on display
- Cat C2.8 engine
 - Diesel particulate filter (Fit for Life) or muffler (Dependent on regional regulations.)
 - Fuel, diesel, ultra low or low Sulphur (Dependent on regional regulations.)

- Hydrostatic transmission, two speed, with inching function, "shift on the go"
- Power train mode, hystat
- Emissions compliant, two options (Dependent on regional regulations.)
 - U.S. EPA Tier 4 Final and EU Stage V
 - U.S. EPA Tier 3 and EU Stage IIIA equivalent

906 OPTIONAL EQUIPMENT

ELECTRICAL

- Work tool wiring harness, (3) in cab switches
- Push to start
- Lighting packages, multiple; front, rear, engine bay (LED or HAL)

HYDRAULICS

- · Quick disconnect auxiliary hydraulics
- Reversing fan
- Ride Control or load check valves (Dependent on regional regulations.)
- Connect under pressure and case drain
- Caterpillar Bio HYDO Advanced hydraulic oil
- Auxiliary flow, single standard (3) valve, single high flow (3) valve, dual high flow (4) valve

OPERATOR STATION

- USB ports (2), interior
- · Sun visor, rear perforated
- Storage, lockable box or lockable cooled box
- Soft touch keypad options, 8 or 16 button
- Secondary display, front or rear view camera
- Seat packages; deluxe or premium
- Seat belt options, multiple
- Radio, FM or digital audio broadcast
- Phone holder, spring loaded
- Mirrors (2) electronically adjustable, heated external, plus lower parabolic mirror
- Joystick, seat mounted, multifunction

- Interior light, door activated
- · FNR, twin auxiliary roller, continuous flow, differential lock, horn
- Doors, sliding windows (left and right)
- Air Conditioning, automatic temperature control (ATC)

OTHER

- Rotary sensors (snubbing, kickouts, parallel)
- Couplers, vertical (SSL), horizontal (HPL-V, HPL-A)

POWER TRAIN

- Power train mode, utility (includes keypad)
- Hydrostatic transmission, 3-speed, "shift on the go", secondary steering and boosted brakes
- Fuel pump, priming (Higher regulated countries), electric (Dependent on regional regulations.)
- Creep and throttle lock function
- Cold start jacket water heater, bypass valve
- Antifreeze, extended life coolant, -50° C (-58° F)

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Install in two steps

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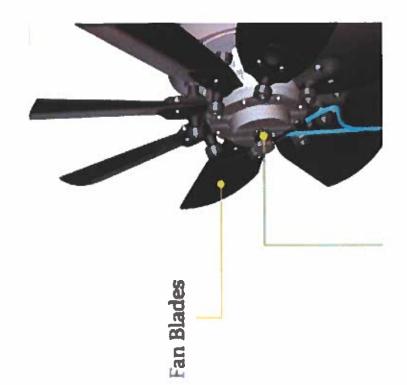


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for efficient radiator cooling, even in extreme conditions. The smart, Infinite Variable Pitch systems to operate at peak efficiency. Our reversible fan blades create the precise airflow For nearly 40 years, Flexxaire reversible fans have been enabling diesel engine cooling

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(I\'P\), cooling fan system understands when and how to adjust the blade pitch at any fan speed.



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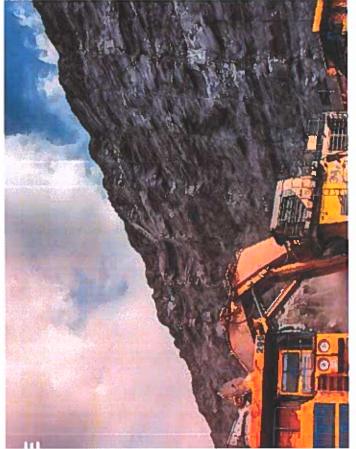
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4/25/24, 11:49 AM

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To learn more about Flexxaire reversible radiator fan systems—or for help in pinpointing the fan that meets your needs, please reach out to us.

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Parts Book

Support Operators Owners & Dealers Machines **Brands &**

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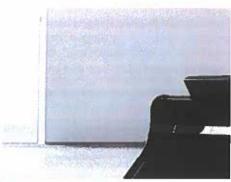
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Wheel loaders





ZW95-6

Reliable performance

Your Hitachi compact wheel loader can work reliably for a lengthy period of time between oil and filter changes. A 500-hour service interval results in minimal downtime and a high level of availability.

We designed the ZW95-6 with an easy-toopen engine cover for quick access to the engine compartment, diesel tank and fuel filter. So you can carry out routine maintenance quickly to ensure a reliable performance. The battery disconnect switch is now included as standard, which helps to avoid electrical accidents during maintenance and retain battery energy during long-term storage.

Engine Rated Power (kW):

55.4 kW

Operating weight (kg): 5 410 kg

Bucket capacity (m³) ISO Heaped:

 $1.00 - 1.60 \, m^3$

Available in: Europe

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Overview

Specifications



OVERVIEW

Superior technology

Every component in your Hitachi ZW95-6 compact wheel loader has been built to maximise its performance. It incorporates leading technology, developed to meet your needs in the competitive construction industry.

Take the engine, for example, which has low maintenance requirements thanks to the maintenance-free diesel oxidation catalyst and common rail technology. The state-of-the-art drivetrain is another example. And an optional HDrive manually controls the engine's rpm setting by a switch, which is useful if an attachment such as a sweeper or compactor plate requires hydraulic flow. Finally, powerful Z-kinematics give the ZW95-6 a high dumping speed and optimal breakout force. This improves performance and increases productivity.

SPECIFICATIONS

Specifications for the ZW95-6

Expand all

Specifications

Q Search

HITACHI

Reliable Solutions

Engine Rated 55.4 kW Power (kW)

- Operating weight 5 410 kg (kg)
- Bucket capacity 1.00 1.60 m³
 (m³) ISO Heaped
- Breakout force 40 kN (kN)
- Tipping load, 4 100 kg standard bucket, straight (ISO 14397)
- Tipping load, 3 680 kg standard bucket, articulated (ISO 14397)

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Want to find out more?

For more information on the new Hitachi machinery, the Hitachi Premium Rental programme, or to discuss your needs in more detail, please fill out the form.

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ZW75-6

ZW95-6

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KOMATSU

8-M08AW



Wheel loader

Engine power 53.7 kW / 72.0 HP @ 2100 rpm

Operating weight 5690 - 5995 kg 000177

Bucket capacity

WA80M-8



Operating weight

5690 - 5995 kg

Bucket capacity

000178

Increased fuel efficiency and

environmental performance

Powerful and environmentally friendly

- · EU Stage V engine
- High payloads and tipping loads
- Superior breakout force
- · Highly efficient hydrostatic drive line
- · Low operating costs

First-class comfort

- · Quiet and ergonomic working environment
- Large multifunctional monitor
- · Improved, ergonomic control elements
- · Air conditioning (optional)
- Electronic Controlled Suspension System (ECSS) (optional)

Total versatility

- Easy Fork (EF) kinematic for parallel movement during fork application
- · Excellent all-round visibility
- · 40 km/h limited hydrostatic driveline (optional)
- 100% differential lock (optional)

Easy maintenance

- · Tilting cab
- · Wide opening engine hood
- · Wide core radiator with (optional) reversible fan
- · Quick-access service side cover

Komtrax

- Komatsu Wireless Monitoring System
- 4G mobile communications
- Integrated communication antenna
- · Increased operational data and fuel savings



Powerful and environmentally friendly



Full power for the highest performance

Optimised for tough construction applications, the Komatsu S4D98E-6VHA engine delivers high torque even at low rpm. With high rimpull and enough reserves even in the most difficult ground conditions the WA80M-8 still features a low fuel consumption. A fully automatic, hydrostatic transmission sends power to all four wheels while the large 110 I fuel tank guarantees long and uninterrupted working hours.

Komatsu EU Stage V

The Komatsu EU Stage V engine is productive, dependable and efficient. With ultra-low emissions, it provides a lower environmental impact and a superior performance to help reduce operating costs. The operator can work in complete peace of mind.

High productivity

If you're looking for a small machine with huge performances, then this compact wheel loader is made for you. With its amazing lifting and dumping height and superior breakout power, it works like a bigger machine. When equipped with one of Komatsu's redesigned, larger and easier to fill buckets, or with pallet forks, high payloads guarantee maximum productivity.

Total versatility

Diverse and flexible

Komatsu's compact wheel loaders are an optimal choice for a wide range of applications. On construction sites, in the recycling industry or for agricultural jobs, with the hydraulic quick-coupler and a wide range of attachments, these machines are extremely versatile. When working with Komatsu pallet forks, the operator can rely on EF kinematic to transport loads parallel to the ground without readjusting the fork tines.

A wide choice of options

On uneven grounds the optional ECSS load stabiliser reduces shocks and increases productivity and comfort. The optional 100% differential lock axles can be activated for extra traction force. A towing device is standard. Other optional equipment such as creeping function, 40 km/h limited hydrostatic driveline option, additional working lights or an immobiliser, are available on request.

Highest safety

For maximum operational safety, the machine's low centre of gravity enhances stability, and its compact dimensions ensure exceptional all-round visibility. Standard safety features such as the ROPS/FOPS cab, back-up alarm, reversing light and large mirrors add up to make the WA80M-8 a truly safe machine.









First-class comfort



Excellent all-round visibility

Thanks to wide glass surfaces and lower door windows, the machine offers excellent visibility in all directions, for total control of the surrounding area.

Standard heated rear window and a newly designed, low-profile exhaust pipe ensure improved rear visibility (according to ISO 5006).





Highest operator comfort

Along with its compact size, the WA80M-8 offers unequaled comfort. The spacious cab was developed with exceptional care given to details and special attention for the ergonomic controls. Efficient air conditioning (option) and ventilation guarantee ideal thermal comfort. The wide cab door allows fast and safe entering and exiting. The work environment is quiet and comfortable thanks to optimal noise insulation.

New multi-function monitor with more information

The user-friendly multi-function colour monitor with Equipment Management and Monitoring System (EMMS) supports safe and smooth work. Eco-gauge and an Eco guidance with active recommendations help maximising fuel savings. The monitor is conveniently customisable with a choice of 24 languages.



Large multi-function monitor



Improved, ergonomic control elements 000183

Easy maintenance

A reliable partner

Komatsu compact wheel loaders are known around the world for their robustness and durability. All maintenance and service is performed easily and quickly thanks to their unique tilting cab.

The engine hood can be opened widely for a quick daily inspection, the electric equipment is well protected behind a maintenance cover inside the cab, and the easy-to-clean radiator is conveniently

accessible. A compartment for battery, main switch and relays improves maintenance access to the electrical system.









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Information and communication technology



KØMTRAX

The way to higher productivity

Komtrax uses the latest wireless monitoring technology. Compatible on PC, smartphone or tablet, it delivers insightful and cost saving information about your fleet and equipment, and offers a wealth of information to facilitate peak machine performance. By creating a tightly integrated web of support it allows proactive and preventive maintenance and helps to efficiently run a business.

Knowledge

You get quick answers to basic and critical questions about your machines – what they're doing, when they did it, where they're located, how they can be used more efficiently and when they need to be serviced. Performance data is relayed by wireless communication technology (satellite, GPRS or 4G depending on model) from the machine to a computer and to the local Komatsu distributor – who's readily available for expert analysis and feedback.

Power

The detailed information that Komtrax puts at your fingertips 24 hours a day, 7 days a week gives the power to make better daily and long-term strategic decisions – at no extra cost. Problems can be anticipated, maintenance schedules customised, downtime minimised and machines kept where they belong: working on the jobsite.

Convenience

Komtrax enables convenient fleet management on the web, wherever you are. Data is analysed and packaged specifically for effortless and intuitive viewing in maps, lists, graphs and charts. You can foresee eventual maintenance issues and required spare parts, and troubleshoot a problem before Komatsu technicians arrive on site.



Specifications

Engine

Model	Komatsu S4D98E-6VHA	
Туре	Common rail direct injection, water-cooled emissionised, turbocharged, after-cooled diese	
Engine power		
at rated engine speed	2100 rpm	
ISO 14396	53.7 kW / 72.0 HP	
Max. torque / engine speed	295 Nm / 1365 rpm	
No. of cylinders	4	
Bore × stroke	98 × 110 mm	
Displacement	3.31	
Air filter type	Dry air filter with pre-filter and safety cartridge	
Fuel	Diesel fuel, conforming to EN590 Class 2/ Grade D. Paraffinic fuel capability (HVO, GTL, BTL), conforming to EN 15940:2016	

Transmission

(Tullollitoololl		
Туре	Hydrostatic transmission	
Hydrostatic pump	1 variable piston pump	
Hydrostatic motor	1 variable piston moto	
Speed ranges (forwards/backwards)	2/2	
Max. travel speeds (forwards/backwards)	20 km/h version	
1. speed range	0 - 5.0 km/h	
2. speed range	0 - 20.0 km/h	
Creep	0 - 10.0 km/h	
Max. travel speeds (forwards/backwards)	40 km/h version	
1. speed range	0 - 15.0 km/h	
2. speed range	0 - 40.0 km/h	
Creep	0 - 10.0 km/h	

Chassis and tyres

Туре	Low build rear axle oscillation for optimum stability and for best performance in earthmoving applications
System	4-wheel drive
Axles	Planetary rigid axles with automatic limited slip differentials in both axles 100% locking differentialsas option
Oscillation	Rear axle oscillation for optimum stability, oscillation angle 10°
Tyres	405/70 R18

Brakes

Operating brakes	Combined inch brake pedal actuates
	maintenance free wet-disc type
	brakes in the front axle.
	Self-braking via the hydrostatic drive
Parking brake	Dry disc

Hydraulic system

Open hydraulic system
270 bar
60 I/min
100 l/min @ 210 bar
2/1
Double-action
70 × 658 mm
90 × 450 mm
Multifunction lever
4.9 s
2.8 s
1.0 s

Steering system

System	Articulated frame steering
Туре	Hydraulic
Steering angle to either side	42°
Steering pump	Gear pump
Working pressure	185 bar
No. of steering cylinders	1
Туре	Double-action
Bore diameter × stroke	70 × 378 mm
Smallest turn (outer edge of tyre 405/70 R18)	3875 mm

Cabin

Cabin in conformity with ISO 3471 with ROPS (roll over protective structure) in conformity with SAE J1040c and FOPS (falling object protective structure) in conformity with ISO 3449. The pressurised cabin is mounted upon rubber bearings and is noise dampened. Tiltable for best servicing access.

Service refill capacities

Cooling system	9.61
Fuel tank	1101
Engine oil	10.51
Hydraulic system	45.01
Front axle	9.11
Rear axle	6.01
Transfer (20 km/h / 40 km/h)	0.7 / 1.8

Environment

Engine emissions	Fully complies with EU Stage exhaust emission regulation		
Noise levels			
LwA external	101 dB(A) (2000/14/EC Stage II)		
LpA operator ear	74 dB(A) (ISO 6396 dynamic test)		
Vibration levels (EN 12096:1997)			
Hand/arm	\leq 2.5 m/s ² (uncertainty K = 0.42 m/s ²)		
Body	≤ 0.5 m/s² (uncertainty K = 1.19 m/s²)		
Contains fluorinated greenhouse gas	HFC-134a (GWP 1430).		

Contains fluor nated greenhouse gas HFC-134a (GWP 1430). Quantity of gas 1.2 kg, CO₂ equivalent 1.72 t.

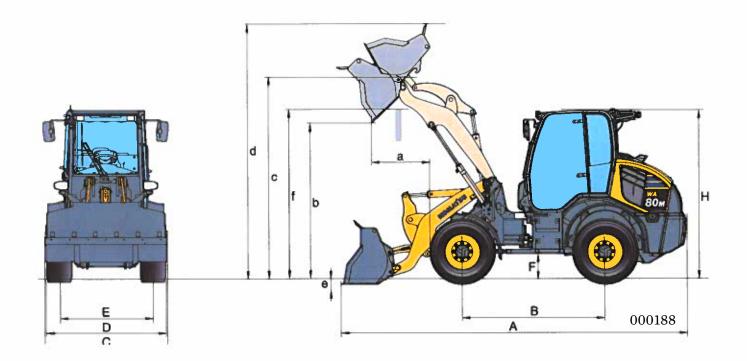


Dimensions and performance figures

Measurements and working specifications

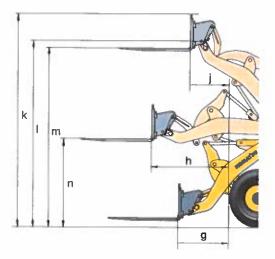
Bucket type		Universal		Light materials	4-in-1
		w. teeth	w/o teeth	w/o teeth	w. teeth
Bucket capacity (heaped, ISO 7546)	m³	1.0	1.0	1.25	0.8
Material density	t/m³	1.8	1.8	1.25	1.8
Bucket weight	kg	330	305	335	590
Static tipping load, straight	kg	4710	4740	4675	4395
Static tipping load, 40° articulated	kg	3965	3990	3930	3630
Break-out force hydraulic	kN	50.0	50.0	37.2	47.5
Lifting capability hydr. at ground level	kN	51.0	51.0	38.4	48.6
Operating weight	kg	5715	5690	5720	5995
Turning radius at corner of tyres	mm	3875	3875	3875	3875
Turning radius at bucket edge	mm	4290	4290	4440	4315
a Reach at 45"	mm	970	875	1015	1050
b Dump height at 45°	mm	2460	2555	2365	2380
c Hinge pin height	mm	3230	3230	3230	3230
d Height top edge of bucket	mm	4125	4100	4170	4010
e Digging depth	mm	65.0	65.0	100	65.0
f Max. loading height at 45°	mm	3030	3030	2990	3030
A Overall length, bucket grounded	mm	5625	5495	5750	5730
B Wheelbase	វាជា	2260	2260	2260	2260
C Bucket width	mm	1915	1915	1870	1900
D Width over tyres	mm	1825	1825	1825	1825
E Track width	mm	1440	1440	1440	1440
F Ground clearance	mm	470	470	470	470
H Overall height	mm	2750	2750	2750	2750

All measurements with tyres 405/70 R20 and air conditioning



Performance figures with fork tines

	Fork tine type		FEM IIA	FEM IIB
	Fork tine length	ពាពា	1200	1200
g	Max. reach at ground level	mm	770	870
h	Max. reach	mm	1340	1340
j	Max. reach at max. stacking height	mm	640	640
k	Max. height fork-carrier	mm	3685	3685
Τ	Hinge pin height	mm	3230	3230
m	Max. stacking height	mm	3105	2980
n	Height of forks at max. reach	mm	1510	1385
	Max. tipping load, straight	kg	3535	3530
	Max. tipping load, articulated	kg	3000	2975
	Max. payload as per EN 474-3, 80%	kg	2400	2380
	Max. payload as per EN 474-3, 60%	kg	1800	1785
	Weight in working order with fork tines	kg	5545	5550



All measurements with tyres 405/70 R20 and air conditioning



Standard and optional equipment

Engine

Komatsu S4D98E-6VHA turbocharged common rail direct injection diesel engine	•
EU Stage V compliant	•
Diesel Particulate Filter (DPF)	•
Alternator 126 A / 12 V	•
Starter motor 2.2 kW / 12 V	•
Battery 100 Ah / 12 V	•

Transmission and brakes

Combined inch/brake pedal	•
Creeping function (20 km/h version)	0
Creeping function (40 km/h version)	0
20 km/h limited hydrostatic driveline	0
40 km/h limited hydrostatic driveline	0

Chassis and tyres

Heavy-duty axles	•
LSD-differential front and rear	•
100% manual locking differentials front and rear	0
Various tyre types and sizes on request	0

Hydraulic system

3-spool main control valve	•
Multi-function lever	•
Hydraulic quick-coupler	•
Loader control with return-to-dig	0
Auto-inch valve	0
Biodegradable oil for hydraulic system	0
High flow version	0

Lighting system

Halogen headlights	•
Reversing lights	•
Additional lights front and rear	0
LED headlights	0
Optical back-up alarm (strobe light)	0

Cabin

Spacious double door driver's cab to DIN/ISO with heating	•
Tilting cab	•
ROPS/FOPS frame according to SAE	•
All-round tinted glazing	•
Heated rear window	•
Rear window wiper	•
Sun visor	•
Adjustable steering column	•
Suspended seat	•
Seat belt (EU standard)	•
Wrist rest with integrated small storage box	•
Large storage box at left hand side	•
Multi-function colour monitor with Equipment Management and Monitoring System (EMMS) and efficiency guidance	•
12 Volt power supply	•
Front window wiper with intermittent feature	•
Adjustable high comfort air suspension seat	0
Air conditioning	0
Electric pre-heating of engine & cab	0
DAB+ Radio with Bluetooth®, USB, AUX and hands-free kit	0
Sun reflection decal for cab/canopy roof	0

Safety equipment

Emergency steering system	•
Back-up alarm	•
Horn	•
Emergency engine stop switch	•
Seat belt caution indicator	•
Battery main switch	•
Beacon light	0
Immobiliser	0
Immobiliser with master key	0
Anti-drop valve	0
Fire extinguisher	0
Front window quard	0

Service and maintenance

Komtrax - Komatsu wireless monitoring system (4G)	•
Tool-set	•
Wide-core radiator	•
Radiator fan with reversing function	0
Automatic central lubrication	0

Attachments

Bucket with or without teeth	0
4-in-1 bucket with teeth or bold on cutting edge	0
Light material buckets	0
Fork carrier and tines	0
Cutting edge guard	0

Other equipment

Z-bar boom (parallel movement when using dedicated fork tines)	
Counterweight	•
Towing device	•
Electronically controlled suspension system load stabilizer (ECSS)	0
Special custom colour	0
Bucket level indicator	0

Further equipment on request

standard equipment

O optional equipment



A wide range of buckets and attachments is available. Your Komatsu distributor is ready to assist you with the selection of suitable options.

Your Komatsu partner:



komatsu.eu









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Tim Forestell January 24, 2023

The Ultimate Wheel Loader Specifications and Size Comparison Guide

Updated July 9, 2024

When you need an efficient loader that can lift and move more dirt than a skid steer or compact track loader, wheel loaders are going to be the best option. Capable of transporting large amounts of materials or lifting to extraordinary heights, wheel loaders can move anywhere from 0.5 to 53 cubic yards of materials.





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However, with several <u>wheel loader brands</u> to choose from, it can be difficult for contractors to find the best machine for their project.

Q Select Equipment

Powered by **⊇OZR**

That's why, in this guide, we've put together wheel loader size and specification charts for every prominent North American wheel loader brand. You can use the table of contents below to jump ahead to each section.

Table of Contents

- Wheel Loader Sizes, Models, and Specifications for Every Brand
 - Bobcat
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 - Mecalac
 - New Holland
 - SANY
 - <u>Takeuchi</u>
 - VF Venieri
 - Valva
 - Wacker Neuson
 - XCMG
 - Yanmar

CASE Wheel Loader Specs and Sizes

Model	Bucket Capacity (cubic yds)	Operating Weight (lbs)	Height to Bucket Pin	Engine Power (hp)	Static- Tipping Load (lbs)
CASE 21F	0.92 - 1.31	10,979	123.5"	58	6,501
CASE 121F	0.78 - 1.44	11,023	125"	64	7,869
CASE 221F	0.92 - 1.57	12,547	129.5"	. 74	9,318
CASE 321F	1.05 - 1.7	13,633	133.7"	74	10,301
CASE 521G	1.77 - 2.0	24,203 - 25,399	142.0"	142	12,249 - 20,100
CASE 621G	2.56 - 4.5	28,159	151.0"	172	20,597 - 23,725
CASE 721G	2.6 - 5.5	36,011	161.0"	195	27,092 - 32,380
CASE 821G	3.41 - 4.25	42,414	162.0"	230	30,786 - 36,392
CASE 921G	3.25 - 4.75	45,070	165.0"	255	23,404 - 26,882
CASE 1021G	4.56 - 5.5	56,365	167.0"	318	39,121 - 48,196
CASE 1121G	5.25 - 6.25	61,650	175.0"	345	42,064 <i>-</i> 51,898

<u>Caterpillar</u>

Caterpillar (CAT) is one of the most popular wheel loader brands, sorting their models into four size categories: compact, small, medium, and large.

Overall, CAT has one of the most diverse lineups, providing sizes that are suitable for residential projects, all the way up to wheel loaders engineered for mining

John Deere's loader models are also offered in three performance tiers: G-Tier, P-Tier, and X-Tier. The "G" Tier is the most basic in terms of features and is economical, yet incredibly productive and dependable. The "P" tier includes additional features that enhance functionality and operator comfort. The "X" tier has the most bells and whistles, including smart tools and a comfortable cab. The tier system is used with other John Deere equipment, but it can be used to help narrow down your wheel loader selection.

How much does a John Deere wheel loader weigh?

John Deere wheel loaders weigh between 10,670 pounds and 124,614 pounds on the 184 G-Tier and 944 X-Tier, respectively, making them a great choice for small, and medium-sized commercial projects.

John Deere Wheel Loader Specifications and Size Chart

John Deere Wheel Loader Specs and Sizes

Model	Bucket Capacity (cubic yds)	Operating Weight (lbs)	Height to Bucket Pin	Engine Power (hp)	Static- Tipping Load (lbs)
John Deere 184 G- Tier	0.9 - 1.4	10,670	124"	44	5,445 - 6,504
John Deere 204 G- Tier	0.9 - 1.4	11,508	124"	62	6,504 - 7,716
John Deere 244 P- Tier	1.0 - 1.4	12.258	127"	71	7,8 <mark>93 - </mark>
John Deere	0.9 - 2.1	13,051	132"	72	7,275 - 8,796



Volvo Compact Wheel Loaders 5.7 t/12,125 lb 74 hp

L30

L30

Tackle a variety of jobs with speed and ease thanks to the powerful and comfortable L30, compact in size for efficient loading cycles in confined areas.



A compact loader with big potential

The versatile L30 operates reliably in tight spaces and uneven terrains. This compact wheel loader boasts fast simultaneous linkage movements and steering, as well as exceptional tractive, breakout and lifting forces, commonly found on larger machines. And the operator experience is second to none, with easy cab access, best-in-class visibility, intuitive controls and exclusive options. It all adds up to productive and more efficient loading cycles.

Fast and maneuverable



- Unique portal axles design: industryleading ground clearance
- Unique electro-hydraulic flow sharing main control valve: fast simultaneous lifting/tilting and hydraulic attachment movements
- Independent hydraulic pumps: simultaneous lifting and steering
- Articulated & oscillating joint, 100% differential locks on both axles: outstanding traction



Versatile

- Compact design: easy operation in confined areas
- High lifting/breakout forces, superior roll-back/dump angles
- 100% parallel movements with forks
- Attachment brackets, with proportional 3rd hydraulic function as standard
- Range of regular & hydraulic attachments

Comfortable



- · Easy cab access
- · Best in class all-round visibility
- Adjustable suspension seat and right armrest
- Adjustable steering column
- Inch/brake pedal combination



Intuitive control

- Multi-function joystick with integrated 3rd function as standard, optional 4th function
- 5" display navigated via jog wheel
- Exclusive options: automatic lift & tilt with boundary limits, lift & tilt speed limiter...
- Multiple customizable settings

Designed for uptime



- Monitoring of machine conditions
- . Long service intervals
- · Ground-level access to service points
- Telematics-based services and solutions

Volvo L30 in detail

Engine

Volvo 4-cylinder, common rail, diesel engine compliant to Tier4F environmental regulations

Air cleaning:

1. Paper filter with indicator in cab

2. Secondary filter

Exhaust after treatment system:

Cooled Exhaust Gas Recirculation (EGR), diesel oxidation catalyst (DOC) and diesel particulate filter (DPF).

Engine	Volvo	D3.3H
Max power at	r/min (r/s)	2,720 (43.3)
SAE J1995 gross	kW (hp)	55.4 (74)
Max. torque at	r/s	25
SAE J1995 gross	Nm (ft lbf)	265 (195)
Economic working range	r/min (r/s)	1,300 - 2,100 (21.7 - 35)
Displacement	l (in³)	3.3 (203)
Bore	mm (in)	94 (3.86)
Stroke	mm (in)	120 (7,323)

Electrical System

Contronic electrical system with central warning information and buzzer, providing clear and an easy-to-read information on the 5" TFT display mounted on the A-pillar. The jog wheel allows easy and self-explaining navigation on the display with main, sub information field, multiple settings, and customized adjustments.

Indicators and activation lights are available for various control and monitoring functions.

An audible warning alarm will sound, and a central warning symbol will flash if abnormal operating values or error messages arise

Gauges are available for coolant temperature and fuel level.

A fuse test port is available in the fuse box, allowing operators to perform initial investigations, reducing diagnostic time.

Voltage	V	12
Battery capacity	Ah	100
Alternator rating	W/A	1,260 / 90
Starter motor output	kW	3

Orivetrain

The hydrostatic transmission allows for speed range change without any tractive power interruption.

Maximum tractive power is available in all speed ranges, regardless of the

driving direction.
Single "Inch/brake pedal" for variable machine speed control and easy power transfer to the wheels at constant engine rpm.
Transmissions forward, neutral, reverse and differential locks buttons are

all easy to reach on the multifunctional right joystick. This allows excellent ergonomics and greater efficiency in all applications thanks to the singlehanded operation of the machine.

Two rigid portal axles provides long durability and best in class ground clearance

The central articulating-oscillating joint and all wheel drive allows excellent mobility in all ground conditions.

The 100% differential lock on both axles enable low tire wear on hard ground while maximizing traction force in soft terrain.

Angle of oscillation	±°	10
Oscillation at wheel, max.	mm (in)	250 (9.8)
Track	mm (ln)	1,472 (58)
Travel speed, forward/reverse		
1st gear	km/h (mi/h)	6 / 8 (3.7 / 4.97)
2nd gear	km/h (mi/h)	20 / 30 (12.4 / 18.6)
Low-speed version		
1st gear	km/h (mi/h)	6 (3.7)
2nd gear	km/h (ml/h)	20 (12.4)
High-speed version		
1st gear	km/h (mi/h)	8 (5)
2nd gear	km/h (mi/h)	30 (18.6)

Ground level access, fuel filler and hydraulic oil filler well protected under the rear engine hood

Fuel tank	l (gal)	84 (22.2)
Engine oil	l (gal)	11.2 (3)
Engine coolant	l (gal)	11 (2.9)
Hydraulic tank	l (gal)	54 (14.3)
Front axle oil	l (gal)	12.2 (3.2)
Rear axle oil	l (gal)	13.5 (3.6)

Hydraulic system

Working hydraulic system with electro-hydraulic operated control valve. System supply: A gear pump provides flow to the working hydraulic.

System control: Double-acting 3-spools electro-hydraulic main control

The lift function has four positions: lift, hold (neutral), lower and float

The tilt function has three positions: rollback, hold (neutral) and dump. The third hydraulic function has three positions: unlock attachment, neutral and lock attachment. It can power a hydraulic attachment such as sweeper, 4-in-1 bucket. Individually flow adjustments are made via jog

An optional independent fourth hydraulic function is available to power hydraulic implements (Hi-Tip bucket, angle sweeper etc...). Individually flow adjustments are made via jog wheel.

Filtration: Full-flow filtration through 10 micron (absolute) filter cartridge In a combined suction-return-filter.

Cooling: Thermostatically controlled oil flow to oil cooler (fast warm-up, optimized cooling). Electronically temperature controlled hydraulic driven cooling fan with fan speed monitoring.

Working pressure max	MPa (bar)	24 (230)
Flow	I/min (gal/min)	57 (15)
at engine speed	r/min (r/s)	2,720 (43.3)
Pilot working pressure	MPa (psi)	2.2 (319)

Linkage

Z-bar linkage providing high breakout force to the bucket and also parallel movement to the fork frame thanks to Volvo's specific kinematics.

Linkage system	,	Z-bar
Lift cylinders		2
Tilt cylinders		1
Lift time (loaded)	s	6.5
Lowering time (empty)	s	3.5
Dump time	S	1.5

Central articulating-oscillating joint with elastic end-stops. Hydrostatic steering powered via a gear pump allowing precise operation even at low engine revolutions. Steering the machine does not influence the working hydraulic speed e. g. when lifting loads. Steering pressure is monitored by a dedicated sensor.

Steering cylinders		1
Working pressure	MPa (psi)	18.5 (2,756)
Maximum flow	l/mln (gal/min)	33 (8.85)
Max articulation	<u>± °</u>	40

Brake system

Service brake: an Inching-brake pedal provides hydrostatic wear less braking in the first stage for precise approach; if applied further the central disc brake on the front axle takes over for final braking acting upon all four wheels and machine immobilization.

Parking brake: Mechanically activated central drum brake, located on the rear axle dropbox acting upon all four wheels.

Wheels and tires	
Size	405/70R18
Cab	

The cab is tested and approved according to ROPS (ISO 3471), FOPS (ISO 3449, Level 2) and ISO 6683 regarding Operator Restraint System. The operator's seat features an adjustable suspension with multiple setting options and a retractable orange seatbelt.

Instrumentation: All important information is shown in the 5" TFT display

located in the operator's field of vision mounted on the right A-pillar. The jog wheel allows quick access to all main machine function, Individually setting option and readout of machine data.

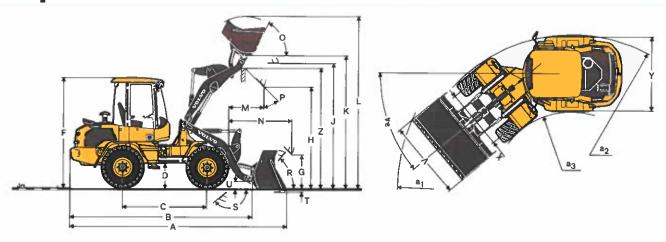
Heater and defroster: Engine coolant heated with filtered fresh air and fan with individually manual speed settings. Defroster vents for all window

Fresh air is filtered through a large elements prior entering, ensuring extremely clean air distribution in the cab.

Sound	Leve
30000	reve

South Cevel		
Sound pressure level at operator's p	osition according to ISO 6396:	7
L _{pA}	dB	75
External sound power level according Directive 2000/14/EC:	g to ISO 6395 and EU Noise	
Lwa	dB	101

Specifications



Description	- 1	nit –	L30H	Z-BAR
	"		with 405/70 R18 tires	
В	mm	ft in	4,485	14'9"
С	mm	ft in	2,150	7'1"
D	mm	ft in	500	1'8"
F (incl. antenna)	mm	ft in	2,775	9'1"
G	mm	ft in	930	3'1"
J	mm	ft in	3,045	10'0"
K	mm	ft In	3,255	10'8"
0		•	7	О
P		•	4	5
R		9	4	2
s		•	13	39
U	mm	ft in	190	0'7"
Х	mm	ft in	1,472	4'10"
Υ	mm	ft in	1,835	6'0"
Z	mm	ft In	2,950	9'8"
a ₂	mm	ft in	4,000	13'1"
a ₃	mm	ft in	2,110	6'11"
a ₄		•	±3	39

Description Unit		L30H Z-BAR				
With Loading Fork Centre of gravity 500) mm /	'20 in	TISC	2B	ISO THE PARTY OF T	3В
Payload according to EN 474-3, 60/80%	kg	lb	1,800 / 2,400	3,965/ 5,290	1,800 / 2,400	3,965/ 5,290

Description	U	nit	L30H Z-BAR							
L30H with 405/70 R18 tires, std. boom, Z attachment bracket Option number			GENERAL PURPOSE				Light material bucket		4-in-1	
			CL11391102		CL11391103		CL11391112		CL11391142	
Material density	kg/m³	lb/yd³	2,000	3,371	1,800	3,034	1,200	2,023	2,000	3,371
Static tipping load, straight (ISO / DIS)	kg	lb	4,700	10,362	4,650	10,251	4,450	9,811	4,350	9,590
Static tipping load, full turn 40* (ISO / DIS)	kg	lb	4,200	9,259	4,100	9,039	3,950	8,708	3,850	8,488
Hydraulic lifting capacity, max.	kN	lbf	60	13,489	61	13,713	59	13,264	60	13,489
Breakout force	kN	lbf	65	14,613	56	12,589	46	10,229	56	12,477
A Total length	mm	ft in	5,280	17'4"	5,380	17'8"	5,550	18'3"	5,550	18'3"
L Lift height, max.	mm	ft in	4,205	13'10"	4,250	13'11"	4,410	14'6"	4,160	13'8"
V Bucket width	mm	ft in	1,900	6'3*	1,900	6'3"	2,000	6'7"	1,900	6'3"
a ₁ Clearance circle	mm	ft in	8,705	28'7"	8,760	28'9"	8,865	29'1"	8,865	29'1"
T Digging depth	mm	ft in	50	0'2"	50	0'2"	50	0'2"	50	0'2"
H Dump height	mm	ft in	2,570	8'5"	2,495	8'2"	2,370	7'9"	2,475	8'1"
M Reach at max, height	mm	ft in	665	2'2"	730	2'5"	845	2'9"	695	2'3"
N Reach, max.	mm	ft in	1,450	4'9"	1,510	4'11"	1,625	5'4"	1,475	4'10"
Operating weight	kg	lb	5,736	12,646	5,761	12,701	5,836	12,866	5,936	13,087

Equipment

STANDARD EQUIPMENT

Engine

Diesel engine, water cooled

Engine with diesel oxidation catalyst (DOC) and diesel particulate filter (DPF)

Extra fuel filter

Cold start aid

Dry-type air filter with secondary filter

Drivetrain

Hydrostatic drive

Operator-selected 100% differential locks for both axles

Tires 405/70 R18

Electrical System

Alternator 90 A, 1.26 kW

Main head lights (halogen)

full/dipped/asymmetrical

Working lights, halogen (2 front/2 rear)

Parking lights, front halogen/rear LED

Rear lights, LED

Brake lights, LED

Direction indicators, front halogen/rear LED

Hazard warning lights

Reversing lights, LED

Cab lighting, LED

Hydraulic system

Dedicated working hydraulic gear-type pump

Electro-hydraulic controlled main valve three-spool system with flow

share function

Proportional 3rd hydraulic circuit with flow control including couplings

Instrumentation & controls

Multi-function single lever electro-hydraulic control with integrated 3rd function

Cruise control

Engine speed locking

12 Volt accessories socket

Hazard warning switch

Digital 5" display for:

Fuel level

Engine temperature

Engine speed

Vehicle speed

Colour-coded symbols for:

Direction (forward/reverse)

1st/2nd gear

Indicators (left/right)

Pre-heater

Main beam

Differential locks

Activated machine functions

Symbols (red) in 5" display with acoustic signal for:

Parking brake

Air filter restriction

Engine temperature

Engine oil pressure

Battery charging

Return hydraulic filter Hydraulic oil temperature

Steering pressure monitoring

Jog wheel for navigation within machine menus for:

Work modes with flow settings, Anti-theft function control, operator

assist functions, machine data

including illuminated key pad for:

Cab heater (not in use)

Working lights (front/rear)

ESC button for navigation within machine menus

Menu button for direct access

STANDARD EQUIPMENT

Cab, Exterior

ROPS/FOPS-cab with flexible mountings

Walk-through cab

Lockable doors

All-round tinted safety class

Windscreen wiper (front/rear)

Windscreen washer (front/rear)

Sliding window in the left door

Door stops/locks

Orange handralls

External rear view mirrors (right/left)

Cab, Interior

4-way adjustable operator's seat

Mounting brackets for additional equipment on A- and B-pillar right hand side

Adjustable steering column

Seat belt, orange

Sunvisor

Heater with air-filter and defroster (front/rear)

Cab ventilation

Lockable storage box in the cab

Working Equipment

Bucket & fork level indicator

Hydraulic quick-change attachment carrier

Carriage Body

Steel fenders front/rear

Lockable engine hood

Towing device

Lifting & tie-down eyes

Service and maintenance

Tool kit

Lockable steel toolbox right hand side

Official approval

Quality: DIN/ISO 9001

Environment: DIN/ISO 14001 Safety: CE compliant acc. Machine Directive 2006/42/EC and

EN474-series

Electromagnetic compatibility (EMC) conforming to European directive

2014/30/EC

Noise emissions: Directive 2000/14/EC

Tipping load / payload: ISO 14397-1 ROPS conforming to ISO 3471

FOPS conforming to ISO 3449 (Level 2)

OPTIONAL EQUIPMENT

Engine

Engine block heater

Fuel pre-heater

Pre cleaner air filter (Turbo II)

Auto Engine Shutdown

Reversible cooling fan

Tropical cooling

Engine start only with buckle on

Drivetrain

Hand inch valve

Driveline shutoff via parking brake

Driveline activated only with buckle on

Engine overspeeding protection

Hydraulic system

4th independent hydraulic circuit with flow control

Hvd oil mineral VG46 HV

Hyd oil mineral VG32 HV

Hyd oll mineral VG68 HV

Hyd oil bio synthetic VG46

Boom suspension system

Safety valves lift and tilt cylinders, electrically controlled

Combination boom suspension system & safety valves

Auxiliary hydraulic's return line (direct to tank or via filter)

Additional pump 42 I/min (11.1 gpm), single acting

Rear hydraulics, double acting

Cab

Airconditioner

Rear view camera incl. rear view mirror inside cab

Radio DAB preparation

Radio DAB, FM/AM, AUX/USB/Bluetooth

Air suspended/heated operator's seat

Cab pre-filter EU2 & EU6

Rearview mirrors inside cab

Enhanced rearview mirrors outside cab

Heated rearview mirrors

Auxillary cab heater

Emergency hammer Operator assist function

Loading unit assist function

Advanced tilt & lift limiter

Advanced tilt & lift speed limiter

Wheel/Tires

400/70R18

405/70R18

335/80R20

340/80R20

360/80R20 365/80R20

375/75R20 400/70R20

405/70R20

455/70R20

500/45-22.5

420/65R24

OPTIONAL EQUIPMENT

Electrical

Preparation for magnetic rotating beacon

Magnetic rotating beacon LED

Foldable rotating beacon LED

Audible reverse alarm (STD or "White noise"), Permament or can be

switched off

Anti-theft system

Daytime running headlight

LED headlights

LED working lights

Socket 7 pln front (sweeper preparation)

Socket 8 pin attachment control

Socket 7 pin socket rear

Power outlet 12V 20A

Protective equipment

Windshield guard, front

Windshleld guard, rear

Belly guards, front/rear

Engine hood protection

Front mudflaps

Protective guards for:

Main head lights

Working lights

Rear lights

Other

SMV warning triangle

Preparation for licence plate, 520x110 mm (1'8"x0'4")

Preparation for multiline licence plate, 340x245 mm (1'1"x0'10")

Trailer hitch bolt & ball joint with electrical connector 13 pln

Central Lubrication unit

Wheel chock

Salt spreader preparation

Long boom 2,250 mm (7'5")

Safety brace for boom

Attachments

General Purpose bucket

Multi-Purpose bucket

Grading bucket

Light Material bucket

High-Tip bucket

Side-Tip bucket

Clamp bucket

Stone Sorting bucket

Material Handling Arm

Forks with tines, tine lenght from 1,000 mm (3'3") up to 1,600 mm (5'3")

Forks with hydraulic tines positioning, with 50 mm (1.97 in) cranked tines

Forks with hydraulic tines positioning & side shift, with 50 mm (1.97 in) cranked tines

Log Grapple

Custom-Built Attachments

V O L V O