

REQUEST FOR QUOTATION (RFQ)

RFQ Reference: UNDP/MMR-UNPR/PN/015

Transportation of 220 Hand tractors (Power Tiller) and 80 threshers from 4 tsp DOA/AMD to villages in Rakhine

Date: 03 June 2021

SECTION 1: REQUEST FOR QUOTATION (RFQ)

UNDP kindly requests your quotation for the **Transportation of 220 hand tractors and 80 threshers from 4 tsp DOA/AMD to villages in Rakhine** for UNDP Myanmar as detailed in Annex 1 of this RFQ.

This Request for Quotation comprises the following documents:

Section 1: This request letter

Section 2: RFQ Instructions and Data

Annex 1: Schedule of Requirements

Annex 2: Quotation Submission Form

Annex 3: Technical and Financial Offer

When preparing your quotation, please be guided by the RFQ Instructions and Data. Please note that quotations must be submitted using Annex 2: Quotation Submission Form and Annex 3 Technical and Financial Offer, by the method and by the date and time indicated in Section 2. It is your responsibility to ensure that your quotation is submitted on or before the deadline. Quotations received after the submission deadline, for whatever reason, will not be considered for evaluation.

Thank you and we look forward to receiving your quotations.

Issued by:

Name: Moung Kee Aung

Title: Head of Procurement Unit, UNDP Myanmar

Date: June 3, 2021

SECTION 2: RFQ INSTRUCTIONS AND DATA

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Introduction	Bidders shall adhere to all the requirements of this RFQ, including any amendments made in writing by UNDP. This RFQ is conducted in accordance with the UNDP Programme and Operations Policies and Procedures (POPP) on Contracts and Procurement
	Any Bid submitted will be regarded as an offer by the Bidder and does not constitute or imply the acceptance of the Bid by UNDP. UNDP is under no obligation to award a contract to any Bidder as a result of this RFQ.
	UNDP reserves the right to cancel the procurement process at any stage without any liability of any kind for UNDP, upon notice to the bidders or publication of cancellation notice on UNDP website.
Deadline for the	10 June 2021 5:00PM, Yangon Time
Submission of Quotation	If any doubt exists as to the time zone in which the quotation should be submitted, refer to http://www.timeanddate.com/worldclock/ .
Method of Submission	Quotations must be submitted as follows: ☑ Dedicated Email Address
	Bid submission address: bids.mm@undp.org
	■ File Format: PDF
	 File names must be maximum 60 characters long and must not contain any letter or special character other than from Latin alphabet/keyboard.
	 All files must be free of viruses and not corrupted.
	 Max. File Size per transmission: 2 MB
	 Mandatory subject of email: Ref: 2021/UNDP-MMR/PN/015 - Transportation of 220 hand tractors and 80 threshers from 4 tsp DOA/AMD to villages in Rakhine
	 Multiple emails must be clearly identified by indicating in the subject line "email no. X of Y", and the final "email no. Y of Y.
	It is recommended that the entire Quotation be consolidated into as few attachments as possible.
	 The bidder should receive an email acknowledging email receipt.
Cost of preparation of quotation	UNDP shall not be responsible for any costs associated with a Supplier's preparation and submission of a quotation, regardless of the outcome or the manner of conducting the selection process.
Supplier Code of Conduct, Fraud,	All prospective suppliers must read the United Nations Supplier Code of Conduct and acknowledge that it provides the minimum standards expected of suppliers to the UN. The Code of Conduct, which includes principles on labour, human rights, environment and ethical conduct may be found at: https://www.un.org/Depts/ptd/about-us/un-supplier-code-conduct
Corruption,	Moreover, UNDP strictly enforces a policy of zero tolerance on proscribed practices, including fraud, corruption, collusion, unethical or unprofessional practices, and obstruction of UNDP vendors and requires all bidders/vendors to observe the highest standard of ethics during the procurement process and contract implementation. UNDP's Anti-Fraud Policy can be found at http://www.undp.org/content/undp/en/home/operations/accountability/audit/office of audit an dinvestigation.html#anti
Gifts and Hospitality	Bidders/vendors shall not offer gifts or hospitality of any kind to UNDP staff members including recreational trips to sporting or cultural events, theme parks or offers of holidays, transportation, or invitations to extravagant lunches, dinners or similar. In pursuance of this policy, UNDP: (a) Shall reject a bid if it determines that the selected bidder has engaged in any corrupt or fraudulent practices in competing for the contract in question; (b) Shall declare a vendor ineligible, either indefinitely or for a stated period, to be awarded a contract if at any time it determines that the

	vendor has engaged in any corrupt or fraudulent practices in competing for, or in executing a UNDP contract.
Conflict of Interest	UNDP requires every prospective Supplier to avoid and prevent conflicts of interest, by disclosing to UNDP if you, or any of your affiliates or personnel, were involved in the preparation of the requirements, design, specifications, cost estimates, and other information used in this RFQ. Bidders shall strictly avoid conflicts with other assignments or their own interests, and act without consideration for future work. Bidders found to have a conflict of interest shall be disqualified.
	Bidders must disclose in their Bid their knowledge of the following: a) If the owners, part-owners, officers, directors, controlling shareholders, of the bidding entity or key personnel who are family members of UNDP staff involved in the procurement functions and/or the Government of the country or any Implementing Partner receiving goods and/or services under this RFQ.
	The eligibility of Bidders that are wholly or partly owned by the Government shall be subject to UNDP's further evaluation and review of various factors such as being registered, operated and managed as an independent business entity, the extent of Government ownership/share, receipt of subsidies, mandate and access to information in relation to this RFQ, among others. Conditions that may lead to undue advantage against other Bidders may result in the eventual rejection of the Bid.
General Conditions of Contract	Any Purchase Order or contract that will be issued as a result of this RFQ shall be subject to the General Conditions of Contract Select the applicable GTC:
	☐ General Terms and Conditions for de minimis contracts (services only, less than \$50,000) Applicable Terms and Conditions and other provisions are available at UNDP/How-we-buy
Special Conditions of Contract	☐ Cancellation of PO/Contract if the delivery/completion is delayed by [30 days]
Eligibility	A vendor who will be engaged by UNDP may not be suspended, debarred, or otherwise identified as ineligible by any UN Organization or the World Bank Group or any other international Organization. Vendors are therefore required to disclose to UNDP whether they are subject to any sanction or temporary suspension imposed by these organizations. Failure to do so may result in termination of any contract or PO subsequently issued to the vendor by UNDP.
	It is the Bidder's responsibility to ensure that its employees, joint venture members, sub-contractors, service providers, suppliers and/or their employees meet the eligibility requirements as established by UNDP.
	Bidders must have the legal capacity to enter a binding contract with UNDP and to deliver in the country, or through an authorized representative.
Currency of Quotation	Quotations shall be quoted in Kyats
Joint Venture, Consortium or Association	If the Bidder is a group of legal entities that will form or have formed a Joint Venture (JV), Consortium or Association for the Bid, they shall confirm in their Bid that: (i) they have designated one party to act as a lead entity, duly vested with authority to legally bind the members of the JV, Consortium or Association jointly and severally, which shall be evidenced by a duly notarized Agreement among the legal entities, and submitted with the Bid; and (ii) if they are awarded the contract, the contract shall be entered into, by and between UNDP and the designated lead entity, who shall be acting for and on behalf of all the member entities comprising the joint venture, Consortium or Association. Refer to Clauses 19 – 24 under Solicitation policy for details on the applicable provisions on Joint Ventures, Consortium or Association.
Only one Bid	The Bidder (including the Lead Entity on behalf of the individual members of any Joint Venture, Consortium or Association) shall submit only one Bid, either in its own name or, if a joint venture, Consortium or Association, as the lead entity of such Joint Venture, Consortium or Association. Bids submitted by two (2) or more Bidders shall all be rejected if they are found to have any of the following:

Duties and taxes	a) they have at least one controlling partner, director or shareholder in common; or b) any one of them receive or have received any direct or indirect subsidy from the other/s; or b) they have the same legal representative for purposes of this RFQ; or c) they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about, or influence on the Bid of, another Bidder regarding this RFQ process; d) they are subcontractors to each other's Bid, or a subcontractor to one Bid also submits another Bid under its name as lead Bidder; or e) some key personnel proposed to be in the team of one Bidder participates in more than one Bid received for this RFQ process. This condition relating to the personnel, does not apply to subcontractors being included in more than one Bid. Article II, Section 7, of the Convention on the Privileges and Immunities provides, inter alia, that the United Nations, including UNDP as a subsidiary organ of the General Assembly of the United Nations, is exempt from all direct taxes, except charges for public utility services, and is exempt from customs restrictions, duties, and charges of a similar nature in respect of articles imported or exported for its official use. All quotations shall be submitted net of any direct taxes and any other
	taxes and duties, unless otherwise specified below: All prices must: ☑ be exclusive of VAT and other applicable indirect taxes
Language of quotation	English Including documentation including catalogues, instructions and operating manuals.
Documents to be submitted	Bidders shall include the following documents in their quotation: ☑ Annex 2: Quotation Submission Form duly completed and signed ☑ Annex 3: Technical and Financial Offer duly completed and signed and in accordance with the Schedule of Requirements in Annex 1 ☑ Company Profile. ☑ Company Registration certificate; ☑ Copy of one (01) contract for similar requirement in the last 5 years, including contract description, contract value, clients name and contact details ☑ List and value of projects, for similar requirement , performed for the last 5 years plus client's contact details who may be contacted for further information on those contracts;
Quotation validity period	Quotations shall remain valid for 120 days from the deadline for the Submission of Quotation.
Price variation	No price variation due to escalation, inflation, fluctuation in exchange rates, or any other market factors shall be accepted at any time during the validity of the quotation after the quotation has been received.
Partial Quotes	☑ Not permitted
Alternative Quotes	☑ Not permitted
Payment Terms	
Conditions	☑ Written Acceptance of Goods based on full compliance with RFQ requirements
for Release of Payment	☑ Other: Submission of correct invoice by the contractor
Contact Person for corresponde nce, notifications	Focal Person: Procurement Analyst E-mail address: mmr.procurement@undp.org Attention: : Quotations shall not be submitted to this address but to the address for quotation submission above. Otherwise, offer shall be disqualified.

and clarifications	Any delay in UNDP's response shall not be used as a reason for extending the deadline for submission, unless UNDP determines that such an extension is necessary and communicates a new deadline to the Proposer(s).
Clarifications	Requests for clarification from bidders will not be accepted any later than 2 working days (Fridays and Saturdays are not working days) before the submission deadline. Responses to request for clarification will be communicated through addendum through Atlas before submission deadline
Evaluation method	☑The Contract or Purchase Order will be awarded to the lowest price substantially compliant offer
Evaluation	☑ Full compliance with all requirements as specified in Annex 1
criteria	☑ Full acceptance of the General Conditions of Contract
	⊠full acceptance of warranty as specified in Annex 3
Right not to accept any quotation	UNDP is not bound to accept any quotation, nor award a contract or Purchase Order
Right to vary requirement at time of award	At the time of award of Contract or Purchase Order, UNDP reserves the right to vary (increase or decrease) the quantity of services and/or goods, by up to a maximum twenty-five per cent (25%) of the total offer, without any change in the unit price or other terms and conditions.
Type of Contract to be awarded	 ✓ Purchase Order ✓ Contract Face Sheet (Goods and-or Services)
Expected date for contract award.	15 June 2021
Publication of Contract Award	UNDP will publish the contract awards valued at USD 100,000 and more on the websites of the CO and the corporate UNDP Web site.
Policies and procedures	This RFQ is conducted in accordance with <u>UNDP Programme and Operations Policies and Procedures</u>
UNGM registration	Any Contract resulting from this RFQ exercise will be subject to the supplier being registered at the appropriate level on the United Nations Global Marketplace (UNGM) website at www.ungm.org . The Bidder may still submit a quotation even if not registered with the UNGM, however, if the Bidder is selected for Contract award, the Bidder must register on the UNGM prior to contract signature.

ANNEX 1: SCHEDULE OF REQUIREMENTS

I. Transportation of 80 Threshers from below 4 Township's DOA/AMD to 80 Villages in 4 Township

No.	Townships	No. of villages	Number of threshers
1	Mrauk Oo	15	15
2	Pauktaw	35	35
3	Ponnagyun	15	15
4	Rathedaung	15	15
	Total	80	80

Please find the detail List of Villages and Quantity for Transportation of 80 Thresher as Annex 4

Please find the detail measurements of Thresher at Annex 6

II. Transportation of <u>217 Hand Tractor (Power Tiller)</u> from below 4 Township's DOA/AMD to 80 Villages in 4 Township

No.	Townships	No. of villages	Number of Hand tractor (Power Tiller)
1	Mrauk Oo	15	61
2	Pauktaw	35	72
3	Ponnagyun	15	22
4	Rathedaung	15	62
	Total	80	217

<u>Please find the detail List of Villages and Quantity for Transportation of 217 Hand Tractor as Annex 5</u> <u>Please find the detail measurements of Thresher at Annex 7</u>

Delivery Requirements

Delivery Requirements			
Delivery date and time	Bidder shall deliver the goods as soon as possible within max 3 weeks after Contract signature.		
Delivery Terms (INCOTERMS 2020)	DAP		
Customs clearance (must be linked to INCOTERM	NA		
Exact Address(es) of Delivery Location(s)	As per Annex 4 (for Thresher) and Annex 5 (for Hand Tractor)		
Distribution of shipping documents (if using freight forwarder)	NA		
Packing Requirements	As per manufacturer packing, supplier must ensure the goods are delivered to final destination without any physical damage		
Training on Operations and Maintenance	Not Required		
Warranty Period	One year for all items		
After-sales service and local service support requirements	Not required		
Preferred Mode of Transport	☑ Other [please specify]The supplier may use any mode of transportation as long as the ordered goods are delivered to final destination as per delivery timeline.		

Please provide the below document in the submission

- ☑ Annex 2: Quotation Submission Form duly completed and signed
- ☑ Annex 3: Technical and Financial Offer duly completed and signed and in

accordance with the Schedule of Requirements in Annex 1

- □ Company Profile.
- □ Company Registration certificate;
- ☑ Copy of one (01) contract for similar requirement in the last 5 years, including contract description, contract value, clients name and contact details
- ☑ List and value of projects, for similar requirement , performed for the last 5 years plus client's contact details who may be contacted for further information on those contracts;

ANNEX 2: QUOTATION SUBMISSION FORM

Bidders are requested to complete this form, including the Company Profile and Bidder's Declaration, sign it and return it as part of their quotation along with Annex 3: Technical and Financial Offer. The Bidder shall fill in this form in accordance with the instructions indicated. No alterations to its format shall be permitted and no substitutions shall be accepted.

Name of Bidder:	Click or tap here to enter text.	
RFQ reference:	UNDP/PROC-MMR/PN/015	Date: Click or tap to enter a date.

Company Profile

Item Description	Detail		
Legal name of bidder or Lead entity for JVs	Click or tap here to enter text.		
Legal Address, City, Country	Click or tap here to enter text.		
Website	Click or tap here to enter text.		
Year of Registration	Click or tap here to enter text.		
Legal structure	Choose an item.		
Are you a UNGM registered vendor?	☐ Yes ☐ No If yes, insert UNGM Vendor Number		
Quality Assurance Certification (e.g. ISO 9000 or Equivalent) (If yes, provide a Copy of the valid Certificate):	☐ Yes ☐ No		
Does your Company hold any accreditation such as ISO 14001 or ISO 14064 or equivalent related to the environment? (If yes, provide a Copy of the valid Certificate):	☐ Yes ☐ No		
Does your Company have a written Statement of its Environmental Policy? (If yes, provide a Copy)	☐ Yes ☐ No		
Does your organization demonstrate significant commitment to sustainability through some other means, for example internal company policy documents on women empowerment, renewable energies or membership of trade institutions promoting such issues (If yes, provide a Copy)	☐ Yes ☐ No		

Is your company a member of the UN Global Compact		☐ Yes ☐ No			
Bank Information		Bank Name: C	lick or tap here to	o enter text.	
		Bank Address: Click or tap here to enter text.			
		IBAN: Click or tap here to enter text.			
				enter text.	
	Account Currency: Click or tap here to enter text.				
			Bank Account Number: Click or tap here to enter text.		
		Previous rele	vant experience	: 3 contracts	
Name of previous	Client	& Reference	Contract	Period of activity	Types of activities
contracts		act Details ding e-mail	Value in USD		undertaken

Bidder's Declaration

Yes	No	
		Requirements and Terms and Conditions: I/We have read and fully understand the RFQ, including the RFQ Information and Data, Schedule of Requirements, the General Conditions of Contract, and any Special Conditions of Contract. I/we confirm that the Bidder agrees to be bound by them.
		I/We confirm that the Bidder has the necessary capacity, capability, and necessary licenses to fully meet or exceed the Requirements and will be available to deliver throughout the relevant Contract period.
		Ethics : In submitting this Quote I/we warrant that the bidder: has not entered into any improper, illegal, collusive or anti-competitive arrangements with any Competitor; has not directly or indirectly approached any representative of the Buyer (other than the Point of Contact) to lobby or solicit information in relation to the RFQ; has not attempted to influence, or provide any form of personal inducement, reward or benefit to any representative of the Buyer.
		I/We confirm to undertake not to engage in proscribed practices, , or any other unethical practice, with the UN or any other party, and to conduct business in a manner that averts any financial, operational, reputational or other undue risk to the UN and we have read the United Nations Supplier Code of Conduct: https://www.un.org/Depts/ptd/about-us/un-supplier-code-conduct and acknowledge that it provides the minimum standards expected of suppliers to the UN.
		Conflict of interest: I/We warrant that the bidder has no actual, potential, or perceived Conflict of Interest in submitting this Quote or entering a Contract to deliver the Requirements. Where a Conflict of Interest arises during the RFQ process the bidder will report it immediately to the Procuring Organisation's Point of Contact.
		Prohibitions, Sanctions: I/We hereby declare that our firm, its affiliates or subsidiaries or employees, including any JV/Consortium members or subcontractors or suppliers for any part of the contract is not under procurement prohibition by the United Nations, including but not limited to prohibitions derived from the Compendium of United Nations Security Council Sanctions Lists and have not been suspended, debarred, sanctioned or otherwise identified as ineligible by any UN Organization or the World Bank Group or any other international Organization.
		Bankruptcy : I/We have not declared bankruptcy, are not involved in bankruptcy or receivership proceedings, and there is no judgment or pending legal action against them that could impair their operations in the foreseeable future.

Yes	No	
		Offer Validity Period: I/We confirm that this Quote, including the price, remains open for acceptance
		for the Offer Validity.
		I/We understand and recognize that you are not bound to accept any Quotation you receive, and we
		certify that the goods offered in our Quotation are new and unused.
		By signing this declaration, the signatory below represents, warrants and agrees that he/she has been
		authorised by the Organization/s to make this declaration on its/their behalf.

Signature: _	
Name:	Click or tap here to enter text.
Title:	Click or tap here to enter text.
Date:	Click or tap to enter a date.

ANNEX 3: TECHNICAL AND FINANCIAL OFFER

Bidders are requested to complete this form, sign it and return it as part of their bid along with Annex 2: Quotation Submission Form. The Bidder shall fill in this form in accordance with the instructions indicated. No alterations to its format shall be permitted and no substitutions shall be accepted.

Name of Bidder:	Click or tap here to enter text.	
RFQ reference:	UNDP/PROC-MMR/PN/015	Date: Click or tap to enter a date.

	cy of the Quotation: Click or tap here to enter text. ERMS: DAP				
Item No	Description	иом	Qty	Unit price in Kyat	Total price in Kyat
Transp	ortation of Thresher				
1.	Transportation of Threshers to Mrauk U Township, 15 villages	Unit	15		
2	Transportation of Threshers to Pauktaw Township, 35 villages	Unit	35		
3	Transportation of Threshers to Ponnagyun Township, 15 villages	Unit	15		
4	Transportation of Threshers to Rathaedaung Township, 15 villages	Unit	15		
Transp	ortation of Hand Tractor (Power Tiller)		L		
1.	Transportation of Hand Tractors to Mrauk U Township, 15 villages	Unit	61		
2	Transportation of Hand Tractors to Pauktaw Township, 35 villages	Unit	72		
3	Transportation of Hand Tractors to Ponnagyun Township, 15 villages	Unit	22		
4	Transportation of Hand Tractors to Rathaedaung Township, 15 villages	Unit	62		
	,	1		Total Price	
			Other C	harges (specify)	
	1	otal Fina	l and All	-inclusive Price	

Compliance with Requirements				
	Yes, we will comply	No, we cannot comply	If you cannot comply, pls. indicate counter - offer	
Delivery Term (INCOTERMS 2020) DAP			Click or tap here to enter text.	
Delivery Lead Time (max 3 Weeks)			Click or tap here to enter text.	
Warranty (One Year for all items)			Click or tap here to enter text.	
Validity of Quotation (120 days)			Click or tap here to enter text.	
Payment terms			Click or tap here to enter text.	
Other requirements [pls. specify]			Click or tap here to enter text.	

Other Information:

Estimated weight/volume/dimension of the Consignment:	Click or tap here to enter text.
Country/ies of Origin:	Click or tap here to enter text.
(if export licence required this must be submitted	
if awarded the contract)	

I, the undersigned, certify that I am duly authorized to sign this quotation and bind the company below in event that the quotation is accepted.			
Exact name and address of company	Authorized Signature:		
Company NameClick or tap here to enter text.	Date:Click or tap here to enter text.		
Address: Click or tap here to enter text.	Name:Click or tap here to enter text.		
Click or tap here to enter text.	Functional Title of Authorised		
Phone No.:Click or tap here to enter text. Signatory:Click or tap here to enter text.			
Email Address: Click or tap here to enter text.			

<u>Annex- 4:</u>

<u>Detail List of Villages and Quantity for Transportation of 80 Thresher</u>

Mrauk Oo	Mrauk Oo Township			
Township	Village	Village tract/cluster	# of thresher	
MRU	PiPinYin		1	
MRU	ThaYetCho	Pi Pin Yin	1	
MRU	LaungKyetTaungMaw		1	
MRU	КиТое		1	
MRU	Maung Swel	Tu Toe	1	
MRU	NaDin		1	
MRU	BuTaLone		1	
MRU	ShweLan		1	
MRU	DoneBway	Bu Ta Lone	1	
MRU	MyaungBwayChay	Bu Ta Lone	1	
MRU	TannPyinGyi		1	
MRU	AhMyaukHtaung		1	
MRU	BaungDut(old)		1	
MRU	BaungDut(new)	Baung Dut	1	
MRU	PaBeTann		1	
	15 Villages		15	

Pauktaw Tonship

Tsp	Village	Village tract/cluster	# of thresher
PTW	Chaung Wa	- Chaung Wa	1
PTW	Kon Tan Ku Lar		1
PTW	Min Te		1
PTW	Ohn Taw		1
PTW	Taw Lel		1
PTW	Yar Taik		1
PTW	Nget Chaung - 1	Ponnagyi	1
PTW	Nget Chaung - 2		1
PTW	Pon Nar Gyi		1

PTW	Thar Zay Kone		1
PTW	Sin Paik		1
PTW	Chaing Pyin		1
PTW	Ku La Thein		1
PTW	Ku Lar Te		1
PTW	Kyu Taw Chaing		1
PTW	Nyaung Pin Chaing	Dyaing Taung	1
PTW	Pyaing Taung	Pyaing Taung	1
PTW	Set Kei Pyin		1
PTW	Soe Mae Kyi		1
PTW	Taung Ywar		1
PTW	Yae Hnyin Chaung		1
PTW	Ah Htet Ywar		1
PTW	Ah Nauk Ye Ku Lar		1
PTW	Baw Da Li		1
PTW	Chi Wai		1
PTW	Kyar Kan		1
PTW	Ma De		1
PTW	Myin Kyan	Sin Thet Maw	1
PTW	Na Gar Myaung	Sill filet Maw	1
PTW	Paik Seik		1
PTW	Sin Ei		1
PTW	Ah Naut Ye- IDP		1
PTW	Sin Thet Maw- IDP		1
PTW	Sin Thet Maw (ku Lar)	1	1
PTW	Taw Tan'	<u> </u>	1
	35 villages		35

Ponnagyun Township

Тѕр	Village	Village tract/cluster	# of thresher
PNG	Ah Baung Taw	Gant Gar (Rakhine)	1
PNG	Gant Gar	dant dar (Nakilille)	1
PNG	Gant Gar Gyi	Gant Gar (Khumi)	1
PNG	Gant Gar Nge		1
PNG	Thae Taw		1
	Thae Taw (Myro)	The a Taur	
PNG	Bant Bwe	Thae Taw	1
PNG	Pyaing Taw		1
PNG	Ah Htet Myat Hle	- Ah Htet Myat Hle	1
PNG	Kan Thit		1

PNG	Auk Myat Hle	Auk Myat Hlo	1
PNG	Ga Nan Taung	Auk Myat Hle	1
PNG	Thae Tet	The o Tet	1
PNG	Let Ma Seik	Thae Tet	1
PNG	Min Zi Chaung	Min Zi Chaung	1
PNG	Kar Di	Kar Di	1
	15 villages		15

Rathadaung Township

Tsp	Village	Village tract/cluster	# of thresher
RTD	Chut Pyin	Chut Duin	1
RTD	Pi Dauk Myaing	Chut Pyin	1
RTD	Sar Pyin Gyi	Sar Pyin Gyi	1
RTD	Sar Pyin Chay	Sar Pyin Chay	1
RTD	Lake Taung Thae Su	Nyaung Pin Lei	1
RTD	Nyaung Pin Lel		1
RTD	Kyauk Yan		1
RTD	Maw Htet	Their Tours	1
RTD	Thazin Myaing	Thein Taung	1
RTD	Thein Daung		1
RTD	NPG (Rakhine)		1
RTD	NPG (Mu)	Nyaung Pin Gyi	1
RTD	Pan Zin Maw		1
RTD	Kyet Yoe Seik	Kyet Yoe Seik	1
RTD	Hpa Yar Hla		1
	15 villages		15

<u>Annex - 5</u>

<u>Detail List of Villages and Quantity for Transportation of Hand Tractor (Power Tiller); Qty-217</u>

Mrauk Oo Township			
Tsp	Village	Village tract/cluster	# of power tillers (Hand Tractor)
MRU	PiPinYin		4
MRU	ThaYetCho	Pi Pin Yin	2
MRU	LaungKyetTaungMaw		6
MRU	КиТое		6
MRU	Maung Swel	Tu Toe	4
MRU	NaDin		2
MRU	BuTaLone		4
MRU	ShweLan		1
MRU	DoneBway	Bu Ta Lone	3
MRU	MyaungBwayChay	Bu la Lone	6
MRU	TannPyinGyi		5
MRU	AhMyaukHtaung		7
MRU	BaungDut(old)		6
MRU	BaungDut(new)	Baung Dut	3
MRU	PaBeTann		2
	15 villages		61

Pauktaw Tonship

Tsp	Village	Village tract/cluster	# of power tillers
PTW	Chaung Wa		3
PTW	Kon Tan Ku Lar	Chaung Wa	2
PTW	Min Te		2
PTW	Ohn Taw		2
PTW	Taw Lel		3
PTW	Yar Taik		3
PTW	Nget Chaung - 1	Ponnagyi	3
PTW	Nget Chaung - 2		1
PTW	Pon Nar Gyi		5
PTW	Thar Zay Kone		4
PTW	Sin Paik		4
PTW	Chaing Pyin	Pyaing Taung	1
PTW	Ku La Thein		1
PTW	Ku Lar Te		1

PTW	Kyu Taw Chaing		1
PTW	Nyaung Pin Chaing		1
PTW	Pyaing Taung		3
PTW	Set Kei Pyin		3
PTW	Soe Mae Kyi		1
PTW	Taung Ywar		3
PTW	Yae Hnyin Chaung		1
PTW	Ah Htet Ywar		1
PTW	Ah Nauk Ye Ku Lar		2
PTW	Baw Da Li		2
PTW	Chi Wai		2
PTW	Kyar Kan		1
PTW	Ma De		1
PTW	Myin Kyan	Sin Thet Maw	1
PTW	Na Gar Myaung	Sill Thet Maw	1
PTW	Paik Seik		1
PTW	Sin Ei		3
PTW	Ah Naut Ye- IDP		3
PTW	Sin Thet Maw- IDP		3
PTW	Sin Thet Maw (ku Lar)		2
PTW	Taw Tan'		1
	35 villages		72

Ponnagyun Township

Tsp	Village	Village tract/cluster	# of power tillers
PNG	Ah Baung Taw	Gant Gar	1
PNG	Gant Gar	(Rakhine)	2
PNG	Gant Gar Gyi	Cant Car (Khumi)	1
PNG	Gant Gar Nge	Gant Gar (Khumi)	1
PNG	Thae Taw	Thae Taw	3
PNG	Thae Taw (Myro) Bant Bwe		1
PNG	Pyaing Taw		1
PNG	Ah Htet Myat Hle	Ah Htet Myat Hle	2
PNG	Kan Thit		1
PNG	Auk Myat Hle	Auk Myat Hla	2
PNG	Ga Nan Taung	Auk Myat Hle	3
PNG	Thae Tet	Thae Tet	1
PNG	Let Ma Seik		1
PNG	Min Zi Chaung	Min Zi Chaung	1
PNG	Kar Di	Kar Di	1

15 villages	22

Rathedaung Township

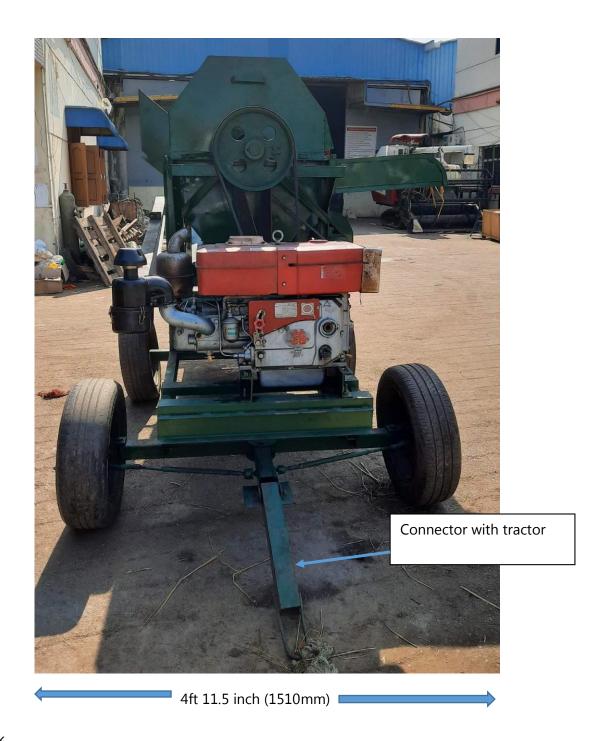
nutricularly rownship			
Tsp	Village	Village tract/cluster	# of power tiller (plan- B)
RTD	Chut Pyin	Chart Baile	3
RTD	Pi Dauk Myaing	Chut Pyin	2
RTD	Sar Pyin Gyi	Sar Pyin Gyi	5
RTD	Sar Pyin Chay	Sar Pyin Chay	5
RTD	Lake Taung Thae Su	Nyaung Pin Lei	3
RTD	Nyaung Pin Lel		7
RTD	Kyauk Yan	Thein Taung	5
RTD	Maw Htet		3
RTD	Thazin Myaing		2
RTD	Thein Daung		7
RTD	NPG (Rakhine)	Nyaung Pin Gyi	3
RTD	NPG (Mu)		3
RTD	Pan Zin Maw		5
RTD	Kyet Yoe Seik	Kyet Yoe Seik	7
RTD	Hpa Yar Hla		2
	15 villages		62

Specification of Thresher



Dimension & Weight

- (1) Height (from ground to tank's top) 7 ft (2135 mm)
- (2) Length (from engine frame edge to shaking sieve of paddy) 6ft 11.5 inch (2120mm)
- (3) Width (from left wheel to right wheel) 4ft 11.5 inch (1510mm)
- (4) Height of wheel 1ft 10.5 inch (57mm)
- (5) Weight of thresher (1) (650 kg)
 - (2) (720 kg)
- (6) Weight of engine -(180 Kg)
- (7) Total weight of thresher and engine (1) (830 kg)
 - (2) (900 kg)



Remark

Connector with tractor can dismantle while transportation.



နှစ်ဘီးလက်တွန်းထွန်ကိုင်းအားထွန်ခုံ၊တာယာဖြင့်တပ်ဆင်ထားပုံ



နှစ်ဘီးလက်တွန်းထွန်ကိုင်းအားသုံးချပ်ထယ်၊သံဘီးဖြင့်တပ်ဆင်ထားပုံ

CHAPTER II TECHNICAL SPECIFICATIONS

A. COMMONTECHNICAL SPECIFICATIONS

1 Model DF-18L(DF-20L)

2 Type Towing and driving Single axle, dual-purpose for both traction and dr

3 Overall dimensions 2680 X 960 X 1250 (excluding riding installations)

(LXWXHmm)

4 Wheel track (mm) Distance between wheels (mm Adjustable among 800, 740, 640 and 580 (but normally use 800)

5 Min space from earth to face (mm) 182 (from ground to the bottom of the final transmission housing)

6 Minimum turning radius (m) 0.9 (with rotavator removed)

7 Construction weight (kgs) 360

8 Usage weight of tractor (kg) 445(with plough) 505(with rotary cultivator)

9 Drive system

a. Power from engine to clutch

By V-Belts

b. Clutch type Double friction flat of constant combination

c. Transmission box 12.7 (1/2") chain of 64 links d. Gearbox (3+2)*2 gear assembly type

e. Type of steering mechanism Meshing sleeve

f. Final transmission Two-step reduction by straight tooth cylindrical gears

g. Type of brake Cricoid inside expansion

Triangle belt B1880 3

Rotavator Use the short pitch, precise roller chain of 12A-2 X 50 for drive

10 Wheels

a. Type of drive wheel tire 600-12,4-ply
Tire pressure (kpa) 137-196

b. Tail Wheel

Field working tail wheel Steel made, diameter: 340mm

Rubber tail wheel tyre 400-8

10 Towing device

a. Opening of adapter frame (mm)
b. Clearance from ground to adapter frame (mm)
c. Diameter of connecting pin (mm)
20

12 Connection of handlebar frame with hood assy Fixed type (by bolts and nuts)

13 Electric installations

a. Type of generator Permanent-magnet A.C.generator, cooling fan built in type

Voltage (V)/rated power (W) 12/60 Rated rotating speed (rpm) 5800

No of phase Single phase, three circuits b. Load Two lights of 12 V.20W each

13 The filling of oil and water

Engine

a. Water tank

17-20 kg of clean river (soft) water
b. Fuel tank

9-11 kg of light diesel oil

c.Oil sump 2.5 kg of machine oil SAE 40 or 30

Power Tiller:

a. capacity of lubrication (I) 5

b. Tilling transmission box 0.5 kg of machine oil SAE 40 or 30

B. SPECIALSPECIFICATIONS(a)

Traction force (N) 2000

Theoretical speed (km/hr) Forward I 1.4 II 2.5 III 4.1 IV 5.3 V 9.4 VI 15.3

Backward I 1.0 II 3.8