



**Government of Jharkhand**  
**Department of Agriculture, Animal Husbandry & Co-Operative**  
**(Agriculture Division)**  
**Directorate of Soil Conservation**

**2<sup>nd</sup> Floor, Krishi Bhawan , Kanke Road, Ranchi-834008**

e-mail – [dirsoiljhr@gmail.com](mailto:dirsoiljhr@gmail.com) or [edjamttc@gmail.com](mailto:edjamttc@gmail.com)

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website – [www.jharkhandtenders.gov.in/](http://www.jharkhandtenders.gov.in/) or [www.jamttc.org](http://www.jamttc.org) or [www.samefi.org](http://www.samefi.org) or

**PR NO. 330583 Agriculture (24-25) D dt. 25.07.2024**

**NOTICE INVITING ONLINE EOI**

**Expression of Interest (EOI) are invited For Empanelment of Manufacture or Their Authorized Dealer to Supply Tractors/ Self Propelled Machines / Agricultural Machines/Implements/ Tools/Items / Pump Sets/ HDPE Pipe etc on subsidy basis to the individual farmers and different type of farmers groups etc. under different programme of the department of Agriculture, animal husbandry & co-operative to be implemented the scheme of the financial year 2023- 24 to 2025 -26**

Expression of Interest (EOI) are invited For Empanelment of Manufacture or Their Authorized Dealer to Supply Tractors/ Self Propelled Machines / Agricultural Machines/Implements/ Tools/Items / Pump Sets/ Irrigation HDPE Pipe etc on subsidy basis to the individual farmers and different type of concerned farmers groups etc. under different programme of the Department Of Agriculture, Animal Husbandry & Co-Operative to be implemented the scheme of the financial year 2023- 24 to 2025 -26.

The schemes have to be implemented through the different sanction schemes of all the Directorate/unit/sector/societies/agencies of Department of Agriculture, Animal Husbandry & Co-Operative, Jharkhand (Agriculture Division) scheme of the financial year 2023- 24, 2024-25 and 2025 - 26 or as decided by the department or by competent authority.

The tentative proposed list of Tractors/ Self Propelled Machines / Agricultural Machines/Implements /Tools/Items / Pump Sets/ HDPE Pipe etc are as annexed in this tender document as “Annexure -I”.

Proposal document may be obtained from the office of the undersigned during office hours from **23.07.2024** (upto 16pm in working days) on payment of Rs. 10000.00 (Ten Thousand Only) being the cost of EOI Document in **Online mode**. The EOI Document can also be downloaded from website [www.jharkhandtenders.gov.in/](http://www.jharkhandtenders.gov.in/) or [www.jamttc.org](http://www.jamttc.org) or [www.samefi.org](http://www.samefi.org) .

The **Director, Soil Conservation, Jharkhand, Ranchi** reserves the right to add new items /reject any or all items of ‘Annexure -I’ of this EOI or this complete EOI without assigning any reason thereof. The last date for submission of EOI is **12.08.2024** (upto 15.00pm)

Sd/-  
**Director,**  
**Soil Conservation,**  
**Jharkhand, Ranchi**

## Fact Sheet

Sl.	Particulars	Details
1	Tender Title	Expression of Interest (EOI) are invited For Empanelment of Manufacture or Their Authorized Dealer to Supply Tractors/ Self Propelled Machines / Agricultural Machines/ Implements/ Tools/Items / Pump Sets/ HDPE Pipe etc on subsidy basis to the individual farmers and different type of farmers groups etc. under different programme of the department of Agriculture, animal husbandry & co-operative to be implemented the scheme of the financial year 2023- 24 to 2025 -26
2	Tender Fee	Rs. 10,000 (Ten thousand only) ( <b>Online Mode</b> )
3	Earnest Money Deposit (EMD)	The EMD against Each Machinery & Equipments as mentioned in Annexure-I of this document shall be submitted separately when financial bid will be invited from technically successful bidder.
4	Name of the advertiser	<b>Director, Soil Conservation, Jharkhand, Ranchi</b> 2 <sup>nd</sup> Floor, Krishi Bhawan , Kanke Road, Ranchi-834008
5	Floating of online EOI	Date: 23/07/2024 on 05.00 PM
6	Download of EOI document will start from	Date: 23/07/2024 from 06.00 PM to 13/08/2024 upto 02.30 PM
7	Pre- Bid Meeting/queries	Date: 31/07/2024 at 12.00 PM (Physical Mode/) Meeting Place-, Place- JAMTTC Conference hall 4 <sup>th</sup> Floor, Krishi Bhawan , Kanke Road, Ranchi-834008 Bidders can raise their queries on Email: <a href="mailto:dirsoiljhr@gmail.com">dirsoiljhr@gmail.com</a> before 31.07.2024 at 12.00 PM
8	Online Bid submission time period	Date: 24/07/2024 from 12.30 PM to 13/08/2024 upto 02.30 PM
9	Mode of Proposal Submission	The application forms along with terms and conditions& etc. can be filled with the link available on the website <a href="http://www.jharkhandtenders.gov.in">www.jharkhandtenders.gov.in</a> Online application to be uploaded on website.
10	Date of Opening of Technical bid	Date: 14/08/2024 on 2.30 PM
11	Date of Financial bid-	To be asked to technically qualified bidders

**Covering Letter (On Letter Head)**

FROM:-

*M/S* (Full name and address of the Supply Agency)

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To:

**The Director, Soil Conservation  
2nd Floor, Krishi Bhawan,  
Kanke Road, Ranchi  
Jharkhand PIN - 834008,**

**Subject: - Submission of EOI for PR NO. 330583 Agriculture (24-25) D dt.  
25.07.2024**

Sir,

We hereby submit our offer in full compliance with the terms & conditions of the purchased/downloaded EOI document with authorized person signed, stamp & paging on each pages of the document .The EOI document is being submitted in a sealed envelope marked as “Technical Document along with Form T1 to T15” is being enclosed for your kind consideration.

**Enc.- Total No. of Pages of Technical Proposal..... pages**

(Signature of Bidder with Seal)

**Check list of Annexure (Mandatory)**

Sl. No	Annexure No.	Particulars	Page no.
1	FORM- T1	Track Record -Profile & Track Record of the Bidder.	
2	FORM- T2	Affidavit - To be executed only on Non judicial stamp paper/e-stamp paper of Rs.50.00 or above.	
3	FORM- T3	EOI Document Fee -Details of EOI document fee of Rs. 10,000/- (Also attach photo copy of online payment), if exempted attach the proof of exemption in Form-T14	
4	FORM- T4	EMD- Declaration to submit EMD as decided in financial bid invitation or if exempted, attaches the proof of exemption. (Form-T14)	
5	FORM- T5	Experience-Minimum 3yrs experience in manufacturing or supplying of item as mentioned in Annexure-I.	
6	FORM- T6	Warranty - Warranty declaration form.	
	FORM- T7	Testing Report Certificate -The bidder have to submit the valid test report from any FMTTI, identified testing center by GoI, BIS/BEE /MNRE certificate as on the closing date of this EOI in which validity of test report must be clearly mentioned.	
7	FORM- T8	Authorised Dealer - The bidder should have an authorised sales & service center network in the district/state for which they are interested to participate for this scheme. Only one Authorized dealer can submit bid if duly authorized by the manufacturer to participate in this EOI.	
8	FORM- T9	GST Registration- The Bidder should have valid GST registration certificate. A copy of which should be enclosed, along with GST return as on updated Dec 2023 or onward (in form 3B).	
9	FORM- T10	Turnover – Minimum annual average turnover of last consecutive 3 years must be 10.00 (Ten) lakhs. A summarize sheet of turnover of any 3 consecutive financial year 2020-21, 2021-22, 2022-23 & 2023-24 & any 3 consecutive years average duly signed & certified by registered CA with UDIN should be compulsory <b>enclosed in original.</b>	
10	FORM- T11	Income Tax Return Acknowledgement Certificate - Photo Copy of Income Tax Return Acknowledgement of last any consecutive 3 years i.e. Assessment year 2020-21, 2021-22, 2022-23 and 2023-24 should be Enclosed.	
11	FORM- T12	Authorization Certificate- Certificate of Authorization to sign the document should be Enclosed.	
12	FORM- T13	EOI Document- Each Page of Purchased/ downloaded EOI document should be signed & Enclosed with technical Proposal.	
13	FORM- T14	Exemption form - Exemption from document fee & EMD submission the MSE bidder has to submit this certificate.	
14	FORM- T15	Declaration By The Bidder	

**Note: EOI document enclosure should be enclosing in sequence order. No extra loose paper enclosed in technical Proposal will be accepted.**

(Signature of Bidder with Seal)

## FORM – T- 1

### Profile & Track Record of the Bidder (On Letter Head).

- 1- Name of the bidder - :
- 2- Type of the bidder.(Manufacturer/Single Authorized Dealer) - :
- 3- Type of firm (Partnership/Proprietorship/Pvt. Ltd. / MSE etc.) - :
- 3- Postal Address - :
- 
- 4- Office contact No:
- (i) Telephone No \_\_\_\_\_ :
- (ii) Mobile No (a) \_\_\_\_\_ (b) \_\_\_\_\_ :
- 5- E-mail (i) :
- (ii) :
- 6- Web site (if any).... :
- 7- Name and designation of the Bidder (Bid signing authority)
- (a) Name to whom all references shall be made :
- (b) Designation :
- 8- Non Refundable EOI document fee Rs10,000/- (T3)
- 9- **EMD/Performance Security submission Declaration form (T-4) : T-4**
- 11- Name of Bank & Account No. of bidder or dealer  
to whom the subsidy amount has to be transferred  
by the beneficiaries and/or office (T-8) :
- 12- Undertaking that neither the bidder/ firm nor its director/dealer  
has been never debarred /black listed by any Govt./ department :  
(To be enclosed as affidavit-T2)
- 13- others ( if any) :

Dated: \_\_\_\_\_

(Signature of the Bidder with Seal)

**FORM – T- 2**  
**AFFIDAVIT**

**(To be executed only on Non judicial stamp paper/e-stamp paper of Rs.50.00 or above)**

I, ----- S/o ----- Director/Proprietor/.....  
of M/s.....having its Registered Office at..... do hereby solemnly affirm  
and declare as follows:

1. That I have been authorized to execute this affidavit on behalf of this Company/Firm, authorized dealer by the Board of Directors vide its Resolution passed on dtd.....

2. That the **Director, Soil Conservation, Jharkhand, Ranchi** vide **Advertisement No.....**  
Published on.....in..... news paper had invited Expression of Interest (EOI) For Empanelment  
of Manufacture or Their Authorized Dealer to Supply Tractors/ Self Propelled Machines / Agricultural  
Machines/Implements/ Tools/Items / Pump Sets/ HDPE Pipe etc on subsidy basis to the individual farmers and  
different type of farmers groups etc. under different programme of the Department Of Agriculture, Animal  
Husbandry & Co-Operative to be implemented during the financial year 2023- 24 to 2025 -26.

3. That in response to the said Advertisement as stated in paragraph (2) above, our Company/Firm/authorized  
dealer is submitting its Technical & Financial proposals to the **Director, Soil Conservation, Jharkhand, Ranchi**  
on.....

4. That Technical proposal of our Company/Firm/ authorized dealer M/s..... Containing  
necessary information and particulars furnished as per given Performa, detailing therein.

a) As Manufacturer/ authorized dealer I/we have minimum of 3 yrs experience in manufacturing or supplying of  
Agriculture Implement's/Machinery.

b) The Qualification and Competency of the Manufacturer/ authorized dealer fulfill for the Assignment of work.

5. That the statements made in paragraphs 1 to 4 of the foregoing Affidavit as above are true to the best of my  
knowledge and belief and if anything is found contrary, I stand liable to be prosecuted under appropriate  
Act/Laws in force.

6. That neither the agency nor any of its directors/person has ever been blacklisted by any Govt.  
agency/Department/Ministry nor convicted for any criminal offence by any court of law.

7. That I/We will provide one year onsite warranty of on supplying all Equipments/machines etc./ 3 years on GPS  
System/ replacement warranty of 15 days for HDPE pipe against any manufacturing defects/ standard warranty of  
solar pump sets as 5 year on pump set & 25 year on solar panel as per MNRE rule/ provision.

8. At the time of submission of financial bid the Quoted rate will be Lowest as per the market however the  
Company/Firm/ authorized dealer is ready to negotiate with the lowest rate which will be decided by the  
department after opening the financial proposal. In case of non acceptance of the subsidy on lowest rate we the  
manufacturer/ authorized dealer do not have any right to claim anything against the department & only the EMD  
will be refunded without any bank interest.

9. That the bidder has to provide the customer care number to the farmers whom he have to supply Tractors,  
Power Tiller, self propelled machines and Their Compatible Agriculture Implements, Irrigation pump sets,  
Processing Equipments etc, if farmers make any complain against those bidder regarding supply of the non  
specified technical parameters item and after sale service then the **Director Soil Conservation, Jharkhand,  
Ranchi or Concerned Directors/Agency/Authority/organizations** with whom financial bid/payment is dealt  
may initiate the necessary action for black listing of those bidders..

Solemnly affirmed by the said ..... at ..... on the .....day of 2024.

Deponent: Identified by me:

(signature)

**Form –T3**  
**EOI DOCUMENT FEE**  
**(ATTACH PHOTO COPY OF ONLINE PAYMENT)**

I am/we are enclosing the bank draft of Rs10,000/- (Ten Thousand) as non refundable EOI document fee.

Or

I declare that my firm is exempted to pay the EOI document fee under the rule/law for which the relevant paper/document is enclosed (if exempted then submit the Form- T14).

**Name Of Bank:**.....

**Bank Draft No.**..... **Dated.**.....

**ATTACH PHOTO COPY OF BANK DRAFT/DOCUMENT**

(Signature of the Bidder with Seal)

**Form –T4**

**EMD/Performance Security Deposit Declaration Form**

1. I/we declare to submit the required EMD/Performance Security as a refundable deposit fee if my firm technically qualified in this EOI.
2. I/We also declare to deposit EMD/Performance Security as per TOR of the financial bid invitation.
3. I/We also declare to pay the EMD/Performance Security deposit fee as MSE bidder under the rule/law for which the relevant paper/document is enclosed (if exempted then submit the Form- T14).

**(Signature of the Bidder with Seal)**



**Form –T5**

**EXPERIENCE**

I am enclosing the following any/all documents in support of my minimum 3 years manufacturing or experience (as on closing date of this EOI) of Supplying/selling the Tractors/ Self Propelled Machines / Agricultural Machines/Implements/ Tools/Items / Pump Sets/ HDPE Pipe etc. to government/ institutions/ organizations.

1. Product Registration/manufacturing/ Authorization Certificate.
2. Supply order.
3. Cash Memo/ Bill OR Any other relevant document in support of 3 year experience (specify).

(Signature of Bidder with Seal)

**Form –T6**

**WARRANTY\***

**I am declaring to provide onsite warranty If supplying the Tractors/ Self Propelled Machines / Agricultural Machines/Implements/ Tools/Items / Pump Sets/ HDPE Pipe etc as mentioned in Annexure-I for which bidding as of this EOI.**

**I also declare that-**

1. Tractors/ Self Propelled Machines / Tractor drawn Agricultural Machines/Implements has minimum 3 mandatory servicing (or declared higher number) as free of cost servicing preferably on site i.e. farmer's field/At his residence.
2. I am agreeing to replace HDPE pipe against any manufacturing defect within 15 days.
3. I am agreeing to provide warranty of 5 year on solar pump set & 25 year on solar panel as per MNRE norms & in case of any fault in solar pump set/system the same will be rectified/replace free of cost within 15 days.
4. I am agreeing to provide the above information to Farmers/Groups with the warranty card for the smooth operation purpose.
5. If the manufacturer is not participating in this EOI then manufacturer can allow only one authorized dealer from the above list to participate in this EOI and will be held responsible for warranty.

\*Applicable only for those item for which bidding.

(Signature of the Bidder with Seal)

## Form –T-7

### (Testing Report Certificate)

The bidder have to submit the valid test report from any FMTTI, identified testing center by GoI, BIS/BEE/MNRE etc certificate as on the closing date of this EOI in which validity of test report must be clearly mentioned. I am submitting the required valid test report or BIS/BEE/MNRE etc certificate of the following machines/equipment/Pump Set/ Solar pump set, HDPE pipes etc. ( AS per Annexure-1)

S. No.	Name of Machine/ Implement	Model Nos.	Testing Authority	Test report Nos.	Test report validity period	Page no in this EOI	Remarks
1	2	3	4	5	6	7	8
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Note- 1. Any Tractor/Machine/ Implement etc. as mentioned in Annexure-1, a maximum of only 5 models from top of list (in case of any sub category a maximum 3 model from sub category) will be considered for empanelment, hence the other next model will not be considered for empanelment, so the bidder should give their most new/popular models.

2. After the empanelment of bidder and their tractors/machine etc (As of annexure –I) the **Director Soil Conservation, Jharkhand, Ranchi or any director/ agency of the department** may ask for financial bid of only those items which one is mentioned in different government orders.

3. The empanelment of bidder and their tractors/machine etc or product does not claim for asking/incorporating in any scheme or financial bid or supply the same.

4. Any machine/ item like cage wheel, universal mounting frame etc., does not issued the test report from any testing agencies that required detail technical specifications and same can be taken in consideration only after technical verification.

(Signature of the Bidder with Seal)

## Form-T-8

### (Only on the Letter Head of the Manufacturer)

#### AVAILABILITY OF AUTHORISED DEALERS IN JHARKHAND

The Manufacturer has the Authorised Dealer, Sales & service center network in the following district of Jharkhand for quick and efficient Supply & after sales & service. Authorised dealer in the districts who do not have service center for repairing may not be allowed to supply the same.

I/we also declare that these authorised dealers (can be verified) will run in future for minimum of next two year from the date of supply of the item and if changed (only in next financial year) will be duly communicated to the competent authority.

S No	Name of District*	Name & address of the Authorised Dealer	Mobile No & E-mail	GST No (attach certificate)	Bank account No/ IFSC Code	Pay- ID (If any)
1	Chatra					
2	Bokaro					
3	Deoghar					
4	Dhanbad					
5	Dumka					
6	E.Singhbhum					
7	Garhwa					
8	Giridih					
9	Godda					
10	Gumla					
11	Hazaribagh					
12	Jamtara					
13	Khunti					
14	Koderma					
15	Latehar					
16	Lohardaga					
17	Pakur					
18	Palamu					
19	Ramgarh					
20	Ranchi					
21	Sahibganj					
22	Saraikela					
23	Simdega					
24	W.Singhbhum					

- In case of different machines/implements, use separate sheet for dealer/ service centers.

(Signature of bidder)

**(Signature & Seal of the manufacture)**

## **FORM- T- 9**

### **GST REGISTRATION CERTIFICATE**

I am enclosing the copy of my valid GST registration certificate.

1. GST registration no –
2. GST return as on updated December 2023 (in form 3B) or onwards.

(Signature of the Bidder with Seal)

## FORM- T-10

### TURNOVER CERTIFICATE (On the letter head of CA or as of below format)

A minimum average annual turnover of last 3 years must be 10.00 lakhs or above. I am enclosing the **signed copy/original copy** of turnover certificate in support of summarize sheet of turnover of any 3 consecutive financial year 2020-21, 2021-22, 2022-23 & 2023-24 , and their average respectively signed & certified by a registered CA which is as follows:-

1. Annual Turnover of the Year 2020-21 : Rs.
2. Annual Turnover of the Year 2021-22 : Rs.
3. Annual Turnover of the Year 2022-23 :Rs.
4. Annual Turnover of the Year 2023-24

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Average turnover of consecutive any  
3 year of above last 4 year : Rs.

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**Note:- UDIN is mandatory otherwise certificate will be summarily rejected.**

(Signature of the registered CA with Seal)

(Signature of the Bidder with Seal)

## FORM -T- 11

### PAN CARD & INCOME TAX RETURN ACKNOWLEDGEMENT CERTIFICATE

I am enclosing the photo copy of the PAN CARD & relevant Income Tax Return Acknowledgement Certificate/Receipt of the **Assessment Year** any 3 consecutive year 2020-21, 2021-22, 2022-23 & 2023-24 for your kind consideration.

**1. Assessment Year -**

**2. Assessment Year -**

**3. Assessment Year -**

(Signature of the Bidder with Seal)

**FORM -T- 12**

**CERTIFICATE OF AUTHORIZATION TO SIGN THE EOI DOCUMENT**

**(To be signed on the letter head of organization)**

I, ..... certify that I am the Secretary/In-charge of the Company / Organization/Corporation/Pvt. Ltd. organized under the laws of..... And that..... Who signed the above EOI document as authorized to bind the Company/Organization/ Corporation/Pvt. Ltd. by authority of its Governing

(Sign. of the person signing the bid Document)  
Date & Seal

(Sign. of Secretary/In-charge of the Company)  
Date & Seal

Or

I am the sole single authorized dealer by manufacture responsible for my firm registered to participate in the EOI.

(Signature of the Bidder with Seal)

Date & Seal



**FORM -T- 13**

**EOI DOCUMENT**

I am enclosing the copy of purchase /downloaded EOI document signed and stamped seal on each pages & confirming that I agree with the term & condition of this EOI published vide PR No..... dtd..... published by the **Director Soil Conservation, Jharkhand, Ranchi**, Department of Agriculture, Animal Husbandry & Cooperative, Government of Jharkhand.

(Signature of the Bidder with Seal)

**FORM -T- 14**  
**(ONLY FOR MSE BIDDERS)**

**TO WHOM IT MAY CONCERN**

This is to certify that M/S .....  
is registered as Micro and Small Enterprises (MSE ) agency/firm/company under Industry Department of Govt. of Jharkhand with registration no.....dtd..... situated at .....and registration is valid up to dtd.....

The agency/firm/company is registered as service provider/manufacturer and according to Jharkhand Industrial Procurement policy 2014 or as amended, he is entitled for exemption /not to submit document fee and EMD.

**Authorized Signatory**  
**Industry department,**  
**Govt. of Jharkhand**

- \* In case the bidder/ firm are registered under MSE outside the state of Jharkhand they can get exemption as per Jharkhand Industrial Procurement policy 2014 or as amended.
- \* MSE bidder has to submit the Performance Security Deposit @ 10% of EMD for individual machines/ implements etc.

**FORM -T- 15**

**DECLARATION BY THE BIDDER (REGARDING EOI  
PR NO. 330583 Agriculture (24-25) D dt. 25.07.2024)**

(To be signed on the letter head)

I/We \_\_\_\_\_ being desirous to Supply Tractors/ Self Propelled Machines / Agricultural Machines/Implements/ Tools/Items / Pump Sets/ HDPE Pipe etc on subsidy basis to the individual farmers and different type of farmers groups etc. under different programme of the Department Of Agriculture, Animal Husbandry & Co-Operative during the financial year 2023- 24 to 2025 -26 to Women self help group (SHG)/ others farmers group/LAMPS/PACS/FPO or individual small & marginal farmers etc. under the above mentioned EOI document and having fully understood the nature of the work and having carefully noted all the terms and conditions etc. as mentioned in the EOI document. I/We also do hereby declare that-

1. The Bidder or through his authorised dealer (T-8) is agree to supply the items on subsidy basis to the individual farmers and different type of farmers groups etc. under different programme of the department during the financial year 2023- 24 to 2025 -26 to the Women self help group (SHG)/ others farmers group/LAMPS/PACS/FPO or individual small & marginal farmers etc. and will collect the farmer's share as well as of lowest quoted price which will be decided by the Department after the evaluation of financial proposal
2. The Bidder is fully aware of all the requirements of the EOI document and agrees with all provisions of the EOI document.
3. The Bidder accepts all risks and responsibilities directly or indirectly connected with the performance of the EOI document.
4. The Bidder has no collusion with other Manufacture or with any other person or firm in the preparation of this EOI document.
5. The Bidder is financially solvent and sound to execute the work in time bound manner.
6. The information and the statements submitted with the EOI document are true.
7. The Bidder is familiar with all general and special laws, acts, ordinances, rules and regulations of the Municipal, District, State and Central Government, Insurance Company that may affect the work, its performance or personnel employed therein.
9. That neither the directors/person of company/firm nor the authorized dealer has ever been blacklisted by any Govt. agency/Department/Ministry or convicted for any criminal offence by any court of law.
10. This quoted rate/offer shall remain valid for one year from the date of issue of office order for this EOI. & on Mutual consent it can be extended for further few month or for next one year.
11. The Bidder has attached herewith the EOI document fee & EMD declaration form as required in this EOI document.
12. The Bidder accepts that the EMD/performance security may be absolutely forfeited by **Director Soil Conservation, Jharkhand, Ranchi** or any directorate/ agency of the department (from whom financial dealt/bid has been submitted) if the bidder fails to undertake the work as per term & condition.
13. The Bidder gives the assurance to execute the supplying work as per given terms and conditions of this EOI. The **Director Soil Conservation, Jharkhand, Ranchi** reserves the right to change any or all of the provision of this EOI documents before last date of submission & such changes would be intimated through official website & newspaper.
14. The Bidder is fully aware that the **Director Soil Conservation, Jharkhand, Ranchi** reserves the right to add new items or reject any or all items of 'Annexure -I' of this EOI without assigning any reason thereof.

(Signature of Bidder with Seal)

## **GENERAL NOTICE & INFORMATION ABOUT EOI**

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The schemes have to be implemented through the different sanction schemes of all the Directorate/unit/sector/societies/agencies of Department of Agriculture, Animal Husbandry & Co-Operative, Jharkhand (Agriculture Division) scheme of the financial year 2023- 24, 2024-25 and 2025 - 26 or as decided by the department or by competent authority.

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Proposal document may be obtained from the office of the undersigned during office hours from **23.07.2024** (upto 16pm in working days) on payment of Rs. 10000.00 (Ten Thousand Only) (**ONLINE MODE**) The EOI Document can also be downloaded from website [www.jharkhandtenders.gov.in/](http://www.jharkhandtenders.gov.in/) or [www.iamtfc.org](http://www.iamtfc.org) or [www.sameti.org](http://www.sameti.org).

The **Director, Soil Conservation, Jharkhand, Ranchi** reserves the right to add new items /reject any or all items of ‘Annexure -I’ of this EOI or this complete EOI without assigning any reason thereof. The last date for submission of EOI is **13.08.2024** (upto 2:30pm)

Sd/-  
**Director,  
Soil Conservation,  
Jharkhand, Ranchi**

## **BRIEF DESCRIPTION**

As per the implementation of different Agriculture/ farm machinery promotional schemes the department has to empanel the manufacturer/ authorized dealer to supply the Tractors/ Self Propelled Machines / Agricultural Machines/Implements/ Tools/Items / Pump Sets/ HDPE Pipe etc on subsidy basis to the individual farmers and different type of farmers groups etc. under different programme of the Department Of Agriculture, Animal Husbandry & Co-Operative to be implemented the scheme of the financial year 2023- 24 to 2025 -26

Accordingly, EOI are invited only from Manufacturers/Authorized Dealer of the Manufacturer for the Jharkhand State to supply the Tractors/ Self Propelled Machines / Agricultural Machines/Implements/ Tools/Items / Pump Sets/ HDPE Pipe etc to the individual farmers and different type of farmers groups etc. under different programme of the Department Of Agriculture, Animal Husbandry & Co-Operative during the financial year 2023-24 to 2025-26 having at least 3 (Three) years of experience in manufacturing/ supply of relevant item & a **minimum average annual turnover of last 3 years must be 10.00 (ten) lakhs or above.**

The schemes have to be implemented through the different sanction schemes of all the Directorate/unit/sector/societies of Department of Agriculture, Animal Husbandry & Co-Operative, Jharkhand during year 2023-24, 2024-25 and 2025-26 or as decided by the department or by the competent authority.

### **1. Objective Of The EOI**

To derive the best price for the specified quality and specification of Tractors/ Self Propelled Machines / Agricultural Machines/Implements/ Tools/Items / Pump Sets/ HDPE Pipe etc through price discovery method.

To ascertain the specified quality product is available to farmers/groups directly from the manufacturers or his authorized dealer.

To facilitate farmers/groups in procuring the specified product at minimum reasonable rate and at the same time ensuring the quality of supply as per specification.

To enable the farmer to get transparent and uniform subsidy across the state for the specified models of various Tractors/ Self Propelled Machines / Agricultural Machines/Implements/ Tools/Items / Pump Sets/ HDPE Pipe etc without compromising the quality.

Hence with above objectives and to safe guard the interest of farmer it is envisaged to empanel manufacturers or his authorized dealer to supply the implements at uniform subsidy.

### **2. Need For Empanelment**

In present scenario, due to lack of agreement on uniform price and quality of Tractors/ Self Propelled Machines / Agricultural Machines/Implements/ Tools/Items / Pump Sets/ HDPE Pipe etc along with its make & model, the farmers are facing troubles as they did not get transparent price for the specified item/machines.

The manufacturer or his authorized dealer differentiates price on the basis of the quality of material used by them and the farmers are not aware about the technicality at the time of purchase of such item/machines.

Hence to overcome the above problems with an objective to safe guard the interest of farmer it is envisaged to empanel manufacturer or their Authorized dealer to supply the Tractors/ Self Propelled Machines / Agricultural Machines/Implements/ Tools/Items / Pump Sets/ HDPE Pipe etc to the farmers/groups on 80-90 % subsidy or whatever is applicable by the

G.O. of the department (except big tractor) or as decided by the department from time to time as per the need by the department.

### **General Information**

Due to lack of uniform price & quality, it is decided to describe the name/category/specifications etc of machines as given in **Annexure-I**

Technically qualified bidders have to submit EMD & quote the financial bid/price (including all taxes etc) of machines given in **Annexure-I** only as and when asked/ published information on website/newspaper by the concerned officers as per the government order being issued from time to time.

Lowest quoted price of any bidder for a package of machine/ HDPE pipe etc. will be eligible for getting govt. subsidy under the sanctioned scheme of the department.

Farmers are free to choose/procure Tractors/ Self Propelled Machines / Agricultural Machines/Implements/ Tools/Items / Pump Sets/ HDPE Pipe etc from any empanelled bidder but subsidy of lowest quoted price will be given to those farmers/groups. The difference of amount as “farmers share” has to be paid by the farmers/groups to the concerned bidder. In no case supply has to be done to the farmers/groups without getting farmer’s share or as per term & condition mentioned in government order.

The bidder has to **submit a valid test report from any FMTTI, identified testing center by GoI Department of agriculture and farmer’s welfare, or BIS/BEE/MNRE certificate as** on the closing date of this EOI in which validity of test report must be clearly mentioned. Any exemption from test report will be as per GoI guidelines/orders or as per this EOI provisions. Any expired/validity date not mentioned or applied/pending Test Report BIS/BEE/MNRE certificate will not be entertained.

Submitted test report can be verified any time from issuing authority and in case of fake test report or altered/manipulated test reports a proper legal action can be taken against the bidder.

EOI for Empanelment are invited from manufacturers or their authorized dealers having at least 3 (Three) years experience and Minimum annual average turnover of last consecutive 3 years must be 10.00 (Ten) lakhs. A summarize sheet of turnover of any 3 consecutive financial year 2020-21, 2021-22, 2022-23 & 2023-24 & any 3 consecutive years average annual turnover of last 3 years as Rs. 10.00 lakhs or above as per this EOI document. **In case of MSE bidder turnover/ experience limit can be relaxed as per Jharkhand procurement policy/rule-2014 or any such related amendment.**

**EOI for Empanelment of the manufacturers or their authorized dealers the list of machines/ Equipment etc. are given in annexure-I. The technical list/name of machines/ Equipment etc Mentioned in this EOI document are specific but not exhaustive.**

At any time a separate EOI can be invited to empanel more manufacturers/suppliers & other machines can be annexed or removed from Annexure-1.

The bidder has to provide one year onsite warranty on supplied product & has minimum 3 mandatory (or declared higher number) as free of cost servicing preferably on site i.e. farmers field/ at his home. The bidder has to replace HDPE pipe against any manufacturing defect within 15 days.

Solar Pump Sets warranty will be as per MNRE norms. It will cover a warranty of 5 year on solar pump set & 25 year on solar panel as per MNRE norms & in case of any fault in solar pump set/system the same will be rectified/replace free of cost within 15 days from receipt of such a complains from farmers/groups.

The single authorized dealers, who participate in the EOI, shall submit a signed copy from the Manufacturer with duly indicating the authorization to supply the only the specific make and model of item from bidder/authorised dealers.

The rates when asked has to be quoted for this EOI shall be for applicable only to the item specified & technically evaluated/sanctioned as mentioned in Annexure-I with full specification (hp, capacity& other technical detail specification) and inclusive of all taxes, GST, insurance, registration (for tractors), duties, cess, transportation/loading and unloading and installation charges if any during the contract period.

The authorised officers of the Department/JAMTTC will have an option/right to inspect the manufacturing premises of the various manufacturing units/product of any empanelled firms, who participate in this EOI, to ascertain the manufacturing and production capabilities, quality checking facilities / R&D establishments.

Authorized Dealer should possess required experience, turnover, GST certificate and PAN Number and all other related statutory requirements.

Authorized Dealer or its director/proprietor/partner of any firm should not have been blacklisted by any of the Government department/organizations.

The **Director, Soil Conservation, Jharkhand, Ranchi** reserves the right to restrict the number of authorized dealer for any manufacturer if it deems fit.

As per government order or any other order the machines/equipments have to be GEO tagged & to take color photograph onsite i.e. farmers/ group residence with clearly mentioned date, latitude & longitude etc.

Every tractor must have GPS enabled system (Recharged for 3 years from date of installation) for monitoring & evaluation purpose up to 3 financial years. There should be provision to recharge the GPS after three years.

Every tractor, power tiller or self propelled machines has minimum 3 mandatory free of cost servicing preferably onsite during warranty period of one year.

Every tractor, power tiller or self propelled reaper and self propelled Rice transplanter, self propelled machines has to fix an approved logo of the GoJ/department.

### **Deposit of Document Fee**

#### **Registered Micro and Small Enterprises (MSE )**

The MSE bidder has to submit a certificate from the concerned officer of Jharkhand Industry Department that the bidder is exempted under the Jharkhand Industrial Procurement policy & he is entitled for exemption /not to submit document fee and EMD ON Form T-14 or on letterhead of the concerned officer or as per Jharkhand procurement policy/rule-2014 or any such related amendment.

#### **Other Registered firms**

Rs. 10,000/- (Rupees Ten Thousand only) in the form of Demand Draft for each EOI in favour of **“Director, Soil Conservation, Jharkhand, Ranchi” payable at Ranchi.**

## **Earnest Money Deposit (EMD)**

### **Registered Micro and Small Enterprises (MSE)**

The MSE bidder has to submit a certificate from the concerned officer of Jharkhand Industry Department that the bidder is exempted under the Jharkhand Industrial Procurement policy & he is entitled for exemption /not to submit document fee and EMD (Form T-14) or as per Jharkhand procurement policy/rule-2014 or any such related amendment.

**Other Registered firms-** The EMD has to be submitted when asked to submit financial bid against each item as given in **Annexure-I** of this document or any additional list. EMD/ Performance security shall be submitted in the form of Demand Draft in favour of **“Director, Soil Conservation, Jharkhand, Ranchi” payable at Ranchi**, or in favour of concerned Directors/officers/Agency separately for such a scheme sanctioned under his control.

EMD of the successful bidder will be retained by the Directors/officers as performance/security deposit and will be refunded after the validity period of the scheme but it shall be forfeited in case of violation of the EOI terms and conditions.

EMD of the unsuccessful Bidder will be returned without any interest after the completion of the EOI financial bid process or in the event of cancellation of EOI process.

Cheque/fixed deposit receipt, bank guarantee, NSC, money orders etc. are not acceptable.

No Interest shall be payable on the amount of EMD/performance security and same will be refunded after the supply of one year or warranty period of machine.

The EMD of successful bidder shall be considered as security money/performance guarantee and shall be released only after the completion of the work /warranty period. MSE bidder has to submit performance guarantee @ 10% of EMD as per Jharkhand Industrial Procurement policy-2014 or any such amendment issued by competent authority.

The EMD/ Performance Guarantee may be forfeited:

- (a) If the bidder withdraws his proposal without consent of competent authority during the validity period (one year) of rate contract as specified in this EOI.
- (b) If the successful Bidder fails to supply the implement within stipulated period.
- (c) If the submitted service center are found to be fake.
- (d) If the submitted any certificates are found to be fake or manipulated.
- (e) If the Bidder or their authorized dealer fails to carry out the work as per the T&C.

### **Mandatory Documents & Criteria For Submission of EOI**

The Bidder who has 3 years supply experience of Agricultural Machines/equipments would be eligible to apply this EOI.

The Bidder shall provide sufficient evidence to satisfy the following conditions that:-

The Bidder shall submit their profile & track record as **Form T1**.

The Bidder shall submit an affidavit from Notary/ 1st class magistrate as **Form T2**.

Non refundable EOI document Fee of Rs. 10,000/- ONLINE MODE as **Form T3**. (If MSE bidders exempted/relaxed they have to submit a certificate in support of claim as Form-T14).



Refundable EMD declaration form as **Form T4**. (If MSE bidders exempted/relaxed they have to submit a certificate in support of claim as Form-T14)..

Document in support of Minimum of 3 yrs experience of manufacturing/supply of Agriculture equipments/machines etc as **Form T5**.

Agreeability to provide one year onsite warranty from the date of supply for repairing of the Machine/Equipments as in Annexure-1 & to replace HDPE pipe against any manufacturing defect within 15 days. Replacements/servicing/repairing shall be free of cost within the warranty period. **Form T6**.

The bidder has to submit the valid test report from FMTTI, identified testing center by GoI, BIS/BEE certificate as on the closing date of this EOI in which validity of test report must be clearly mentioned. The bidder should submit the required valid test report or BIS/BEE/MNRE certificate of the machines/equipment/pumpset/solar pumpset/HDPE pipes etc. in **Form-T7**.

The bidder should submit the availability of Authorised Dealer, Sales & service center of Manufactures to provide the services in all the district of Jharkhand as **Form T8**.

The Bidder has to submit a valid GST registration certificate & copy of filed GST return of December 2023 (Form 3B), & a copy of which should be enclosed as Form T9.

. The Bidder should compulsory submit an original copy of summarize sheet of Minimum annual average turnover of last consecutive 3 years must be 10.00 (Ten) lakhs. A summarize sheet of turnover of any 3 consecutive financial year 2020-21, 2021-22, 2022-23 & 2023-24 & any 3 consecutive years average duly signed & certified by registered CA with UDIN should be compulsory & countersigned by bidder as **Form T10**.

The Bidder should submit Photo Copy of Update Income Tax Return Acknowledgement Receipt of last any consecutive 3 Assessment years i.e. Assessment year 2020-21, 2021-22, 2022-23 and 2023-24 should be Enclosed as **Form T11**.

The Bidder shall submit Certificate of Authorization to sign the document as **Form T12**.

The Bidder shall submit Purchased/ downloaded EOI document should & Each Page should be signed with stamped & Enclosed with technical bid as **Form T13**.

In case of MSE bidder desirous exemption not to submit document fee and EMD as per Jharkhand Industrial Procurement policy he has to submit form **T-14**

The Bidder shall submit a self declaration form as Form –**T15**

### **Guidelines For Submission.**

Bidder are advised to submit their EOI Proposal strictly based on the specifications, terms and conditions contained in the EOI document and subsequent revisions /amendments, if any.

The EOI shall be prepared and submitted by typing or printing in English on white paper in consecutively numbered pages duly signed by the authorized signatory with company seal affixed on each page. Any part of the EOI, which is not specifically signed by the authorized signatory and not affixed with company seal, shall not be considered for the purpose of evaluation.

All the Performa must be on the Bidder official letter head (if specified). Any change in words/sentence of the Performa will not be allowed.

The offer shall contain no erasures or overwriting except as necessary to correct errors made by Bidder. The person signing the offer shall initial & seal on such corrections.

Complete EOI document including all enclosures should be submitted in hard bond or spiral binding and all pages should be numbered (except leaflet / catalogue) and must be signed by the company's authorized signatory & seal of the company otherwise proposal will be rejected.

The interested bidders with requisite experience & required papers should submit firstly the Technical Proposal and those bidders who technically qualify in the Technical evaluation may submit the Financial Proposal when asked to submit as per the need of sanctioned programmes/schemes.

The Technical Proposal hard copy (with form T-1 to T-15), should be sealed in an envelope super scribed with (i) PR No. (ii) "Technical Proposal", (iii) Document fee with bank draft number or "MSE Bidder" (iv) Name and address of the contact person of the firm, should be addressed to **Director, Soil Conservation, Jharkhand, Ranchi, 2nd Floor Krishi Bhawan, Kanke Road, Ranchi-834008,**

The technical Proposal should not contain price of any item & in any such cases, even if found anywhere, shall not be given any cognizance.

When asked to submit the financial proposal through EOI/Tender from technically qualified bidder for such a machine/implement as mentioned in ANEEXURE-1 they have to submit Financial Proposal as per provision when asked by Respective **Directors/officers/agency of the department.**

Technical proposal (check List form T-1 to T-15,) should be submitted with relevant documents/papers in support of the above criteria along with proof so as to enable appropriate evaluation.

Other relevant technical document/Test Report etc in favour of technical specification etc. may be submitted as Additional Technical Booklet in the same envelop (all pages spirally bonded together) & inserting page no. on each paper. No loose papers will be accepted. No any separate paper will be considered in technical evaluation committee.

**The person signing the bid document should must be authorised signatory & has to sign with official stamp on all pages of the EOI document otherwise such EOI will be summarily rejected.**

### **Financial Bid Document**

When asked to quote the price of Tractors, Power Tiller, Self Propelled machines, Compatible Implements, irrigation Pump Sets, Solar Pump Sets, HDPE Pipe & others Agriculture equipments/machines etc as mentioned in **Annexure –I** that should be distinctly quoted in figures as well as in words in the prescribed format mentioning the make and model no. of the each item with detail specification (Hp, Capacity & other technical Specification).

When asked to quote the price the quoted rate/price should be inclusive of all taxes, Freight, registration, Insurance, Installation charges, all necessary tools/kits, basic accessories and for diesel/petrol/ electric/ Pump Set Includes necessary tools, clamps, Suction Pipe 25 ft , GI bent, connecting wire - 100ft, starter switch etc., for electric/submersible pumpset etc or as per the provision of invited EOI/Tender.

### **Selection Process**

A designated tender Committee will evaluate the technical document received & on the basis of technical assessment the bidder will be declared “Technically qualified”. Technical assessment will be based on technical evaluation criteria as mentioned in paragraph/subparagraph of 6.0 & 7.0.

On the basis of technical assessment the technically qualified bidders will be enlisted & the financial proposal from only those bidders will be invited as and when required.

The financially enlisting of bidders to supply Agriculture equipments/machines as per Annexure-I will be done on the basis of specification & quoted lowest rate. The bidders have to supply their product on the basis of farmers share fixed as per lowest price basis.

**At the time of submission of financial bid evaluation the designated tender Committee/ competent authority may ask to negotiate the quoted price from the bidders to decide lowest possible competitive rate.**

### **Supply Procedures**

The supply of machines & bills may be issued either by empanelled Bidder or duly authorized dealer of manufacturer as mentioned in this EOI (T-8). Any other dealer or sub dealer/person not mentioned in T-8 of this EOI shall not be considered to supply or raise the bill and this will be treated as financial irregularity. The bills should be raised only in the name of selected small & marginal farmers/self help group/ Mahila Sakhi Mandal/ Farmer’s Group/Lamps-Packs/VO/FPO etc. or to the Directors/officers/JAMTTC etc in case of GPS or any such supply order.

In case of any differences/dispute between the bidder and dealer of a particular district, the bidder can restrict the supply from the dealer as mentioned in T-8 and in that case either bidder or any other dealer mentioned in T-8 can supply or raise the bills. The bidder can change the dealer only after the approval by manufacturer by cancellation of present dealer & duly appointed a new dealer in the start of next financial (only 1<sup>st</sup> April to 31<sup>st</sup> May), such a dealer can supply the material only after the approval of competent authority i.e. to whom EMD has been deposited, no field officers can accept such a changes at his level.

The bills should be submitted in triplicates, if the subsidy is to be sanctioned under single budget Head. However, if the subsidy is sanctioned under two/three different budget heads, the bills should be submitted separately for each budget head.

In each bill the name of implements, specification, serial number, total amount, GST amount, farmers share etc have to be clearly mentioned.

The beneficiaries have the liberty to choose any brand and model enlisted with the prices with the empanelled bidder and obtains the equipment/machine etc only if it is satisfied with the price of the product.

The beneficiaries shall be free to select any eligible empanelled Implements of their choice from the empanelled bidder or enlisted authorised dealer network (T-8), and then the **bidder/dealer shall supply the required item to the concerned group/individual only after collecting the farmers share or total amount of the machines etc. only through RTGS/NEFT.**

With approval/provision in Government order/competent authority to enable the smooth supply of small machines/implements a beneficiaries share below Rs 5000.00 may be collected by digital payment method from individual farmers/their farmer’s family (spouse, son or unmarried daughter only which can be verified from their Adhar Card) account by giving money receipt from suppliers to the beneficiaries.

After the supply of the equipment and verification by the Department Officials the subsidy amount will be transferred through RTGS/NEFT to any of mentioned process as described in government relevant order.

In brief payment to suppliers can be either of any 3 options-

- i) The amount of subsidy will be transferred directly to the Beneficiary's bank account if pumpset/ machine/equipment/ etc are purchased at their full expense. or
- ii) On purchase of pumpset/ machine/equipment/ etc through bank loan account the amount of subsidy amount will be transferred to the concerned bank from where loan is taken. or
- iii) On purchase of pumpset/ machine/equipment/ etc through manufacturer/authorised dealer and on a written request of Beneficiary's the amount of subsidy will be transferred to the bank account of manufacturer/authorised dealer of the concerned manufacturer duly after verification by the concerned officers.

No payment has to be made to any dealer/sub-dealer not mentioned in this EOI (T-8) or changed dealer as mentioned in above paragraph 10.2.

The empanelled Bidder shall record the full detail of tractors/pumpset/ machine/equipment/etc with Make & Model Number/ Serial number/ Engine Numbers/Chassis Number etc, in the Delivery Challan and bills.

The bidder should submit the list of dealers to the groups/officers with full address & phone no, where the spare parts of the supply item be available.

**Penalties For Non-Compliances, Violation And Non Performance:**

Violations of terms and conditions of EOI.

- a) If the material supplied by the bidder does not meet the specific standards.
- b) Bidder raising false bills/ bills without supply of the machines/implements/pumpset etc.
- c) In the event of failure of the Bidder to execute the order within the specified period or maximum 15 days from the date of transfer of farmers share/ intimation, the order shall be treated as cancelled.
- d) If any information provided by the bidder is found to be factually false or misleading such bidder will summarily be rejected at any time during the validity period of the EOI and quoted rates and liable for penalties as applicable.
- e) The Payment claim will not be accepted for the item supplied without paying of farmers share by the group/farmers, geo tagged photographs/ verification from concerned officers and registration in case of tractors etc.
- f) All the transaction from the group/farmers to bidder will be only through bank transaction e.g. RTGS/NEFT/DD only to the account number provided in this EOI or any such details provided at the time of financial bid invited.

In case of non supply of pumpset/ machine/equipment/ etc within the stipulated period of 15 days from date of receipt of farmers share/ intimation a penalty of Rs 100.00 per day may be impose on concerned bidder/supplier and after 30 days the farmers share have to be refunded to the concerned beneficiary's account. In case of failure to supply the machines etc. such an amount will be deducted from EMD/performance security of bidder & appropriate legal action will be taken against such bidder/suppliers.

**Blacklisting Debarment**

The Manufacture/Authorized dealer of the manufacturer shall furnish an affidavit from a Notary/1<sup>st</sup> class magistrate in the Performa given as form T2, mentioning "that neither the

agency nor any person/directors/member has ever been blacklisted by any Govt. agency/Department/Ministry nor convicted for any criminal offence by any court of law.

As per the clauses of paragraph 10.0 & 11.0 if the empanelled bidder did not supply/submits the report to the department then after intimation of departmental letter (up to 3 times reminder) to the bidder, then **Director Soil Conservation, Jharkhand Ranchi** / competent authority can terminate the rate contract of such bidder at any time without any reason.

### **Contents Of Envelopes**

The EOI document shall be typed or written in indelible ink and shall be signed by the person or persons duly authorized to bind the EOI Contract.

A Written power-of-attorney accompanying the EOI document should support the Letter of Authorization.

The authorised person signing the EOI should sign all pages of this EOI document otherwise such EOI document will be reject (photo copy of signature not allowed).

### **Preparation Of EOI Document**

#### **Language of EOI document**

The EOI document prepared by the Manufacture/Authorized Dealer, as well as all correspondence and documents relating to the EOI document exchanged by the Manufacture/ Authorized Dealer and the Departmental EOI Committee shall be in English only.

**EOI Document Currency** - Prices shall be quoted in Indian Rupees only, both in figure and words. **In case of difference between words and figure the proposal will be summarily rejected.**

### **Validity Of EOI**

The validity period of technical enlistment will be effective for financial year 2023-24 to 2025-26 as per this EOI.

**The Director, Soil Conservation, Jharkhand, Ranchi**, have right to invite anymore/ additional EOI in financial years 2023-24, 2024-25 & 2025-26 to empanel additional agency or additional implements/machine as mentioned in Annexure-I and in that case the bidders who have already enlisted may apply in fresh on technical ground.

The validity period of quoted rates should be valid up to the specified period or one year from the date of issue of office order as mentioned in financial bid invitation. On mutual consent & with approval of **The Director Soil Conservation, Jharkhand, Ranchi or Directors/Agency/ or the Department** it can be extended for certain period/one year after the expiry of first year.

### **Other Important Information**

The Bidder should have service centres in Jharkhand State is only eligible to participate in the EOI. In this regard documents should be furnished in T-8. In case of dealers and service centre are different the list can be enclosed accordingly.

If the Bidder and dealer or its director/official in-charge is blacklisted by any State/central govt or any agency, are liable for rejection at any time during the processing of EOI.

The empanelled Bidder and nominated dealer should co-operate to train the Department officers, staff and farmers of the groups in order to create awareness on Farm Mechanization and use of machines to be supplied by them.

The Bidder who agrees all terms and conditions of this EOI should only participate in empanelment process.

At the end of this exercise, a separate list of empanelled manufacturers/ Authorized dealer and the price for various types of farm implements/ equipment will be published in public domain.

i.) The manufacturers should provide the list of their Authorized dealer network in the State of Jharkhand through which the products will be available to the farmers.

ii) At the time of supply the Bidder should supply the items as per the specifications mentioned in the EOI and the same should be entered in the bill.

iv) During the empanelment period no escalation price/charges will be accepted however changes in any mandatory govt. taxes will be considered.

v.) The pumpset/farm implement/equipment/ tractor etc supplied must be covered with onsite warranty for one year from the date of supply against any defective manufacture/workmanship, etc. The repairs/replacements charges shall be attended free of cost within the warranty period.

vi.) The Authority may levy a penalty on the empanelled manufacturer/authorised dealer if found that supplied component are not conforming to minimum standards/ quality parameter as mentioned in this EOI document. The cost of such products would be recovered from the EMD submitted by the Bidder or by imposing such a penalty equal to the cost of machines/implements etc.

viii) **The Director, Soil Conservation, Jharkhand, Ranchi** or the competent directors/Agency is not bound to accept the lowest rate & not to assign any reason for non-acceptance. The Competent Authority reserves its right to accept the EOI either in full or in part. Conditional EOI Document will be rejected outright. The Competent Authority have right to fix the maximum subsidy for the category of implement as per the Department order or NFSM, SMAM or any such a central govt. guidelines.

ix) The Department Of Agriculture, Animal Husbandry & Co-Operative or the Competent Authority reserves the right to summarily reject an offer received from any agency on national security considerations, without any intimation to the Bidder.

x) The bidder who has not submitted information in prescribed Performa shall be rejected. Any additional particulars can be furnished in the accompanied letter of statement.

xi) Manufacture/Authorized Dealer which does not contain full details regarding technical particulars, test report may not be considered.

xii) The undersigned reserves the rights to reject whole or part of any or the entire EOI document without assigning any reason.

xiii) The tender committee of **The Director, Soil Conservation, Jharkhand, Ranchi or Directors/Agency** reserves the right to negotiate to lower the rate with the bidders to ascertain the maximum benefit to the beneficiaries.

## 17.0 **Affidavit**

The technically qualified bidder and financial bid successful qualified bidder shall have to submit Letter of Acceptance (LoA) & an affidavit on a Non Judicial stamp paper/ e-stamp paper of Rs.100/- or above as per the existing procedure at his cost within 7 days from the date of issue of office order by **The Director, Soil Conservation, Jharkhand, Ranchi or directors/agencies** etc. in a prescribed format stating “That they are ready to supply the item as per the term and condition mentioned in this EOI and minimum rate fixed by **The Director, Soil Conservation, Jharkhand, Ranchi or directors/agencies**, otherwise their empanelment may not be considered.”

### **Legal Terms And Compliances**

The Bidder after giving letter of acceptance (LoA) shall submit an affidavit covering all the terms and conditions on a Non Judicial stamp paper/e-stamp paper of Rs.100/- or above as per the existing procedure at his cost within 7 days from the date of letter of acceptance (LoA). The Bidder is not permitted to supply the items without submission of letter of acceptance (LoA) & affidavit or performance security.

In respect of any dispute arising out of implementation of this EOI, the decision of the EOI Accepting Authority or the department decision shall be final.

For any legal remedies, the Honorable High courts at Jharkhand shall only have the jurisdiction.

The empanelment of agency or the item mentioned in Annexure –I does not have any claim to add in departmental schemes or government orders,

### **Rights Reserved**

The decision of the EOI Accepting Authority shall be final in considering or rejecting of any Tractor/ Implement/Machinery/Equipment/ Pumpset etc

**The Director, Soil Conservation, Jharkhand, Ranchi**, reserves the right to reject any or all the EOI or accept any EOI in total or in parts.

**The Director, Soil Conservation, Jharkhand, Ranchi** have right to invite anymore/ additional EOI any time even within the validity of this EOI.

**The Director, Soil Conservation, Jharkhand, Ranchi**, reserves the right to add or remove any implements/machine or specification in Annexure-I.

## 20.0 **Termination By Default**

The Authority reserves the right to terminate the EOI document of any agency/agencies in case of changes in the Government procedures or unsatisfactory services.

## 21.0 **Force Majeure**

Neither party will be liable in respect of failure to fulfill its obligations, if the said failure is entirely due to Acts of Govt. Governmental restrictions or instructions, natural calamities or catastrophe, epidemics or disturbances in the country.

## 22.0 **Dispute Resolution**

In case of any dispute between the bidders and **The Director, Soil Conservation, Jharkhand, Ranchi or directors/agencies** the matter shall be referred to The Secretary/ Principle Secretary/Additional Chief Secretary of the Department of **Agriculture, Animal Husbandry & Co-Operative, Jharkhand, Ranchi** whose decision shall be final and binding upon both the parties.

Sd/-  
**Director,  
Soil Conservation,  
Jharkhand, Ranchi**



## ANNEXURE-1 A

Detail Technical Specification of the Tractors/Machine/Implement etc.

**The specification given is illustration not very specific.**

**A 20-25 % of variation in specifications may be considered (Except S.No. 1-4)**

### **PART-I. (Mini Tractor Scheme)**

1. **Mini Tractor** -(12.0-22.50 hp max PTO (ps)- Mini Tractor approved model tested by FMTTI and published at website <https://farmech.dac.gov.in/> as on or before closing date of this EOI with Standard Tool Kit, Seat, Hitch, hood, Drawbar, Attachment, Insurance, Registration & GPS Attachment as mentioned in below categories (**Category will be decided on observed value maximum PTO hp by GoI test report and published list**) :-

S. No.	Machine	Power Range (h.p.) as observed value given in GoI Letter	Brief Specification
1.	Mini Tractor	12.0-15.00 ps Max PTO hp	Mini tractor should be PTO drive & 4-wheel drive system with rear tyre size 8.3-24 or below this one.
2.	Mini Tractor	15.10-20.00 ps Max PTO hp	<b>Do</b>
3.	Mini Tractor	20.10-22.50 ps Max PTO hp	<b>Do</b>

2. **Power Tiller**- Power tillers as Indian make (indigenous) and Imported make/market approved model tested by FMTTI and published at website <https://farmech.dac.gov.in/> as on or before closing date of this EOI as mentioned in below categories (**Category will be decided on observed value maximum hp by GoI test report and published list**):-

S.No.	Machine	Power Range (h.p.) as observed value given in GoI Letter	Brief Specification
1.	Power Tiller	8.50-12.00 hp Max (ps)	Power Tiller with Rotary, standard Tool Kit, with a Universal mounting Frame, Seat (optional) and in case of self start include Battery.
2.	Power Tiller	12.10-14.00 hp Max (ps)	<b>Do</b>
3.	Power Tiller	12.10-15.50 hp Max (ps)	<b>Do</b>

### **3. POWER WEEDER/ROTARY TILLER**

- (i) Type - Walk Behind Type self propelled
- (ii) Number of row – 2 to 8 row
- (iii) Fuel type – Petrol or Diesel
- (iv) Power - 0.50 to 8 hp
- (v) Weight - 10-120 Kg
- (vi) Test report – From FMTTI/ Designated Testing Centre approved By GoI

### **4. Self Propelled Rice Transplanter**

- (i) Type - Walk Behind Type or Riding Type
- (ii) Number of row – 4 to 8 row
- (iii) Fuel type – Petrol or Diesel
- (iv) Crop Suitability – Paddy
- (v) Test report – From FMTTI/ Designated Testing Centre approved By GoI

## **5. Self Propelled Reaper-**

- (i) Type - Walk Behind Type
- (ii) Number of row – 4
- (iii) Fuel type – Petrol or Diesel
- (iv) Approximate weight - 30-100 Kg,
- (v) Power source - 2.0-4.5 kw
- (vi) Crop Suitability – Wheat And Paddy
- (vii) Test report – From FMTTI/ Designated Testing Centre approved By GoI.

## **6. Rice Huller With Polisher**

- (i) Power Source – 8-15 HP
- (ii) Type –Diesel engine operated, air cooled, flange with UJ cross, trail type
- (iii) Capacity - 200- 400 kg/hr
- (iv) Weight of machine – 200-500 kg
- (v) Polishing- Yes
- (vi) Test report – From FMTTI/ Designated Testing Centre approved By GoI

## **7. Mini Rice Mill**

- (i) Power Source – 5-10 hp
- (ii) Type – Electric Motor Driven fix or trail type.
- (iii) Capacity -200- 500 kg/hr
- (iv) Weight of machine – 50-100 kg
- (v) Test report – From FMTTI/ Designated Testing Centre approved By GoI

## **8. Mini Tractor compatible Rotavator- (2.5 -4.0 ft)**

- (i) Power Source – Mini Tractor (12.0-22.50 hp max PTO (ps)
- (ii) Hitch pyramid – Compatible To Mini Tractor.
- (iii) Working width -2 to 4 feet
- (iv) Blade Type- L, C or J- type
- (v) Number of Blade- 16- 30
- (vi) Weight of machine – 140-200 kg
- (vii) Test report – From FMTTI/ Designated Testing Centre approved By GoI.

## **9. Mini Tractor compatible Cultivator - (5-7 tynes)**

- (i) Power Source – Mini Tractor (12.0-22.50 hp max PTO (ps)
- (ii) Hitch pyramid – Compatible to Mini Tractor
- (iii) type- rigid type or spring loaded type
- (iv) Working width -3 to 5 feet
- (v) Number of Tynes- 5-7
- (vi) Weight of machine – 80-250 kg
- (vii) Test report – From FMTTI/ Designated Testing Centre approved By GoI

## **10. Mini Tractor compatible Disc Harrow – (8-10 discs)**

- (i) Power Source – Mini Tractor (12.0-22.50 hp max PTO (ps)
- (ii) Hitch pyramid – Compatible To Mini Tractor
- (iii) Working width -3 to 5 feet
- (iv) Number of Disc- 8-10
- (v) Weight of machine – 200-300 kg
- (vi) Test report – From FMTTI/ Designated Testing Centre approved By GoI.

## **11. Mini Tractor compatible Seed cum Fertilizer Drill -**

- (i) Power Source – Mini Tractor (12.0-22.50 hp max PTO (ps)
- (ii) Hitch pyramid – Compatible to Mini Tractor
- (iii) Working width -3 to 5 feet
- (iv) Number of Tynes/discs- 5-7

- (v) Weight of machine – 100-200 kg
  - (vi) Test report – From FMTTI/ Designated Testing Centre approved By GoI
12. **Mini Tractor compatible Cage Wheel –**
- (i) Power Source – Mini Tractor (upto 22.50 bhp)
  - (ii) Power Source – Mini Tractor (12.0-22.50 hp max PTO (ps)
  - (iii) Weight - of both cage wheels 40-60kg.Cage Wheel Lugs – 9-11
13. **Mini Tractor compatible Universal mounting frame-**
- (i) Power Source – Mini Tractor (12.0-22.50 hp max PTO (ps)
  - (ii) Pulley & propeller shaft - 2-3 grooves v- belt type and compatible to mini tractor.
  - (iii) Frame - Adjustable plate attachment for 2 or more machines.
  - (iv) Weight – 50-100 kg
14. **Paddy Thresher**
- (i) Power Source – Mini Tractor (12.0-22.50 hp max PTO (ps)
  - (ii) Length - 1.5-3.5m
  - (iii) Width – 1.0-2.5m
  - (iv) Transportation - trail type
  - (v) Capacity - 4000-5000 kg/hr
  - (vi) Test report – From FMTTI/ Designated Testing Centre approved By GoI
15. **Wheat Thresher**
- (i) Power Source – Mini Tractor (12.0-22.50 hp max PTO (ps)
  - (ii) Transportation - trail type
  - (iii) Length -1.5-2.5m
  - (iv) Width – 1.0-2.0m
  - (v) Capacity -600- 1000 kg/hr
  - (vi) Weight of machine – 500-1500 kg
  - (vii) Test report – From FMTTI/ Designated Testing Centre approved By GoI
16. **Paddy harvester**
- (i) Type - Walk Behind Type/riding type self propelled
  - (ii) Number of row – 4-6
  - (iii) Fuel type – Petrol or Diesel
  - (iv) Approximate weight - 30-120 Kg,
  - (v) Power source - 2.0-4.5 kw
  - (vi) Crop Suitability – Wheat And Paddy
  - (vii) Test report – From FMTTI/ Designated Testing Centre approved By GoI.
17. **Post harvest equipments**
- Flour Mill**
- (i) Power Source – 3-10 HP
  - (ii) Dimension (LXBXH)- 1.2X 0.6X0.6 m
  - (iii) Capacity -50- 200 kg/hr
  - (iv) Weight of machine – 70.0- 250 kg
  - (v) Test report – From BIS/ FMTTI/ Designated Testing Centre approved By GoI
- Mini Dal Mill**
- (i) Power Source – 3-10 HP
  - (ii) Capacity - 50- 200 kg/hr
  - (iii) Weight of machine – 50-120 kg
  - (iv) Test report – From BIS/ FMTTI/ Designated Testing Centre approved By GoI

**Oil Expeller**

- (i) Power Source – 0.5-10HP
- (ii) Oil Expeller made of stainless steel with suitable bolts working
- (iii) Output – 02-40 kg/hr
- (iv) Weight – 20-100 kg
- (v) Seed- Minimum 3 type
- (vi) Test report – BIS/ FMTTI/ Designated Testing Centre approved By GOI

**18. Alternator- 5 to 15 kw**

- (i) Power Source – Mini Tractor -12.0-22.50 hp max PTO & Power Tiller 8.50-15.50 hp
- (ii) Power - 5 to 15 kw
- (iii) Coil type - Copper
- (iv) Universal frame – Compatible to Mini Tractor or Power Tiller

**19. Centrifugal Pump with suction Pipe-**

- (i) Power Source – Mini Tractor -12.0-22.50 hp max PTO (ps) & Power Tiller 8.50-15.50 hp  
5 to 8 kw power source compatible.
- (i) Accessories i.e. Suction pipe 25 ft, 2 nipples, bend, toolkit, 3 hose clamp
- (ii) Hitch pyramid – Compatible to Mini Tractor/Power Tiller
- (iii) Suction Size- 65-100 mm
- (iv) Delivery Size- 50-75 mm

**20. Technical Specification of HDPE Pipe (63mm- 75mm)**

Sl No.	Components	Category
1.	63mm HDPE Pipe	HDPE Pipe with quick coupled (Pipe of class 3, 4kg/cm <sup>2</sup> ) IS:14151 part-II 63 mm dia 6 meter long
2.	75mm HDPE Pipe	HDPE Pipe with quick coupled (Pipe of class 3, 4kg/cm <sup>2</sup> ) IS:14151 part-II 75mm dia 6 meter long
3	HDPE Pipe 63 mm	Laminated Woven lay flat tube IS:16190:2014 and 63.0 mm dia 30m length
4	HDPE Pipe 75 mm	Laminated Woven lay flat tube IS:16190:2014 and 75.0 mm dia 30m length

### Annexure –I- PART-2 (Pump Set scheme)

#### 1. Technical Specification of Pump Set (1.5 hp -3.0 hp)

S N	Type of Pump set	Category	Power Range	Specificati on
1.	Petrol, Diesel operated pump set for Agriculture purpose	Category- 1	1.5hp to 2.0 hp (1.10kw-1.47 kw)	BIS Approved
		Category- 2	2.1 hp to 2.5 hp (1.55 kw-1.84 kw)	
		Category- 3	2.6 hp to 3.0 hp (1.91 kw-2.20 kw)	
2.	Single phase Mono block centrifugal electric pump set (Class of Insulation-F)	Category- 1	1.5hp to 2.0 hp (1.10kw-1.47 kw)	BIS/BEE Approved
		Category- 2	2.1 hp to 2.5 hp (1.55 kw-1.84 kw)	
		Category- 3	2.6 hp to 3.0 hp (1.91 kw-2.20 kw)	
3.	Single phase open well Submersible electric pump set (Class of Insulation-F)		Upto 3.0 hp (2.20 kw) with 50 mm delivery outlet	

#### 2. Technical Specification of Pump Set (3.5 hp -5.0 hp)

SN.	Type of Pump set	Category	Power Range	Specificati on
1.	Petrol, Diesel operated pump set for Agriculture purpose	Category- 1	3.5hp to 4.0 hp (2.58kw-2.94 kw)	BIS Approved
		Category- 2	4.1 hp to 4.5 hp (3.02 kw-3.31 kw)	
		Category- 3	4.6 hp to 5.0 hp (3.38 kw-3.68 kw)	
2.	Single phase Mono block centrifugal electric pump set (Class of Insulation-F)	Category- 1	3.5hp to 4.0 hp (2.58kw-2.94 kw)	BIS/BEE Approved
		Category- 2	4.1 hp to 4.5 hp (3.02 kw-3.31 kw)	
		Category- 3	4.6 hp to 5.0 hp (3.38 kw-3.68 kw)	
3.	Single phase open well Submersible electric pump set (Class of Insulation-F)		Above 3.0 hp (2.20 kw) with 50 mm delivery outlet	

#### 3. Technical Specification 1 HP surface Mobile Trolley Mounted Solar Pump Set

S.N.	Specification	Qty
1	1 HP Mono block pump set with test report vide MNRE circular No. F. No.41/3/2018-SPV Division dated 17.07.19 Specification are as follows- Head 10 Mtr, H Range 12 M Mtr, Delivery Size 50 mm, Suction size 50 mm, Discharge-99000/8 hrs (12375 Ltr/Hrs)	1
2	2.2 kw 1P65 MPPT Controller as per IP65 test report vide Circular No. F. No. 41/3/2018-SPV Division dated 17.07.19 with all kind of function and RMS system including GPS	1
3	Solar PV Module 900 WP BIS Certified	1
4	Mobile structure with wheel mounted 120 Kg and above weight approved by certified agencies.	1
5	Suction pipe	25 ft
6	Foot valve 2"	1 set
7	Clamp 2"	2 set
8	GI bend 2"	1 set
9	Tail CI 2"	1 set
10	DC Cable 2 mm	10 Mtr
11	Two wheel trolley cart Body structure made of MS Sq. pipe/rigid frame easy drive. Detail specifications to be given by bidder.	1 nos

## **Annexure –I- PART-3 (Big Tractor scheme)**

**1. Tractor** – Tractor (20.1– 40.0 max PTO HP ps) approved model tested by FMTTI and published on website <https://farmech.dac.gov.in/> as on or before closing date of this EOI with standard tool Kit, Seat, Hitch, hood, Drawbar Attachment, Insurance, Registration, GPS Attachment etc. (Sub category of PTO HP 20.1-25.0, 25.1 – 28.0, 28.1 -31.0 31.1- 34.0, 34.10-36.0, 36.1-38.0, 38.1-40.0)

**2. Rotavator – (4’-6’)-**

- (i) Power Source – Tractor (20.10-40.00 hp max PTO (ps)
- (ii) Hitch pyramid – Compatible to 20.10-40.00 hp Tractor.
- (iii) Propeller Shaft- Telescopic with universal joint & 6 splinted hub at both end.
- (iv) Working width -4 to 6 feet
- (v) Blade Type- L, C or J- type
- (vi) Number of Blade- 30- 50
- (vii) Weight of machine – 200-400 kg
- (viii) Test report – From FMTTI/ Designated Testing Centre approved By GoI.

**3. Cultivator – (7-13 Tyne) -**

- (i) Power Source – Tractor (20.10-40.00 hp max PTO (ps)
- (ii) Type – spring tyne type/ rigid tyne type
- (iii) Hitch pyramid – Compatible to 20.10-40.00 hp Tractor.
- (iv) Propeller Shaft- Telescopic with universal joint & 6 splinted hub at both end.
- (v) Working width -5 to 10 feet
- (vi) Shovel Type- Reversible shoe type
- (vii) Number of tyne - 7- 13
- (viii) Weight of machine – 100-400 kg
- (ix) Test report – From FMTTI/ Designated Testing Centre approved By GoI.

**4. Disc Harrow –(11-18 Discs)**

- (i) Power Source – Tractor (20.10-40.00 hp max PTO (ps)
- (ii) Type – Two gang offset Type
- (iii) Hitch pyramid – Compatible to 20.10-40.00 hp Tractor.
- (iv) Propeller Shaft- Telescopic with universal joint & 6 splinted hub at both end.
- (v) Working width -5 to 10 feet
- (vi) Disc Type- Standard
- (vii) Number of Disc - 11- 18
- (viii) Weight of machine – 200-500 kg
- (ix) Test report – From FMTTI/ Designated Testing Centre approved By GoI.

**5. Ridger/trencher/auger –(tractor drawn)**

- (i) Power Source – Tractor (20.10-40.00 hp max PTO (ps)
- (ii) Type – Two gang offset Type
- (iii) Hitch pyramid – Compatible to 20.10-40.00 hp Tractor.
- (iv) Propeller Shaft- Telescopic with universal joint & 6 splinted hub at both end.
- (v) Working width -5 to 10 feet
- (vi) blade Type- Standard /M.B. type
- (vii) Number of Base - 2-5
- (viii) Weight of machine – 150-300 kg
- (ix) Test report – From FMTTI/ Designated Testing Centre approved By GoI

- 6. Tractor compatible Zero Seed Drill /Seed cum Fertilizer Drill -**
- (i) Power Source –Tractor (20.1-40.00 hp max PTO (ps)
  - (ii) Hitch pyramid – Compatible to Tractor 20.1-40.00 hp
  - (iii) Working width -4 to 7 feet
  - (iv) Number of Furrow Openers - 9-13
  - (v) Weight of machine – 150-350 kg
  - (vi) Test report – From FMTTI/ Designated Testing Centre approved By GoI
- 7. Tractor compatible Cage Wheel –**
- (i) Power Source – Compatible to Tractor (20.1-40.00 hp max PTO (ps)
  - (ii) Weight - of both cage wheels is 100-200 kg.
  - (iii) Cage Wheel Lugs – 8-12
  - (iv) Type – Round Lugs Type
- 8. Wheat Thresher (Tractor Drawn)**
- (i) Power Source –Tractor (20.1-40.00 hp max PTO (ps)
  - (ii) Transportation - trail type
  - (iii) Length -1.5-2.50
  - (iv) Width – 1.0-2.0m
  - (v) Capacity -600- 1000 kg/hr
  - (vi) Weight of machine – 500-1500 kg
  - (vii) Test report – From FMTTI/ Designated Testing Centre approved By GoI
- 9. Multi crop Thresher (Tractor Drawn)**
- (i) Power Source –Tractor (20.1-40.00 hp max PTO (ps)
  - (ii) Transportation - trail type with new tyre
  - (iii) Length -1.5-4.5m
  - (iv) Width – 1.0-2.0m
  - (v) Capacity -400- 1200 kg/hr
  - (vi) Weight of machine – 800-1500 kg
  - (vii) Test report – From FMTTI/ Designated Testing Centre approved By GoI
- 10. Paddy Thresher (Tractor Drawn)**
- (i) Power Source –3-5kw electric motor trailed by Tractor (20.1-40.00 hp max PTO (ps)
  - (ii) Transportation - trail/portable type
  - (iii) Length -1.5-2.50
  - (iv) Width – 1.0-2.0m
  - (v) Capacity -100- 500 kg/hr
  - (vi) Weight of machine – 200-600 kg
  - (vii) Test report – From FMTTI/ Designated Testing Centre approved By GoI
- 11. Power Maize Thresher/ Maize Dehusker cum sheller (Tractor Drawn)**
- (i) Power Source –Tractor (20.1-40.00 hp max PTO (ps)
  - (ii) Transportation - trail type
  - (iii) Length -6-12 ft
  - (iv) Width – 3-5 ft
  - (v) Capacity -400- 1500 kg/hr
  - (vi) Test report – From FMTTI/ Designated Testing Centre approved By GoI
- 12. M.B. Plough – (2 Bottom) -**
- (i) Power Source – Tractor (20.10-40.00 hp max PTO (ps)
  - (ii) Type –rigid reversible type
  - (iii) Hitch pyramid – Compatible to 20.10-40.00 hp Tractor.
  - (iv) Propeller Shaft- Telescopic with universal joint & 6 splined hub at both end.

- (v) Working width -3 to 5 feet
- (vi) Number of bottom - 2
- (vii) Weight of machine – 150-400 kg
- (viii) Test report – From FMTTI/ Designated Testing Centre approved By GoI.

## **Annexure –I-PART-4 (Plant Protection Equipments & Others Equipments)**

### **1. Knapsack Sprayer (Inside Chamber)**

- (viii) Tank Material – Plastic/ Brass
- (ix) capacity- 16 liter
- (x) CODE- BIS/IS :3906:1995
- (xi) Test report – BIS/FMTTI/ Designated Testing Centre approved By GOI

### **2. Rocker Sprayer with high jet gun**

- (i) Tank Material – Plastic/ Brass
- (ii) Capacity- 16 liter
- (iii) Pipe length – 23 m
- (iv) CODE- BS/IS:3062:1995
- (v) test report – BIS/FMTTI/ Designated Testing Centre approved By GOI

### **3. Battery/solar Operated Knapsack Sprayer,**

- (i) Tank Material – Pneumatic/ Plastic/ Brass
- (ii) Capacity- 16 liter
- (iii) 16 ION Battery (SK S-2) or as in test report.
- (iv) CODE- BS/IS:3062:1995
- (v) test report – BIS/FMTTI/ Designated Testing Centre approved By GOI

### **4. Two in One Dual Type Battery cum Hand Sprayer**

- (i) Tank Material – Pneumatic/ Plastic/ Brass
- (ii) Capacity- 16ltr. (Delta Turbo)
- (iii) 16 ION Battery (SK S-2) or 12V7Ah as in test report.
- (iv) CODE- BS/IS:3062:1995
- (v) test report – BIS/FMTTI/ Designated Testing Centre approved By GOI

### **5. Power operated sprayer**

- (i) Hydraulic power sprayer with ms pipe mounting stand for engine and pump driven with gasoline ,fuel tank capacity of 0.5-1.0 ltr pump and pressure cylinder- brass/ stainless steel with is%11313-2007
- (ii) Test report – BIS/ FMTTI/ Designated Testing Centre approved By GOI