

Bid Document

Bid Details	
Bid End Date/Time	20-07-2020 16:00:00
Bid Opening Date/Time	20-07-2020 16:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	65 (Days)
Ministry/State Name	Ministry Of Agriculture And Farmers Welfare
Department Name	Department Of Agricultural Research And Education (dare)
Organisation Name	Indian Council Of Agricultural Research (icar)
Office Name	Icar Research Complex For Eastern Region Patna
Total Quantity	4
Item Category	dewatering pumps
Experience Criteria	1 Year (s)
MSE Exemption for Years Of Experience	Yes
Startup Exemption for Years Of Experience	Yes
Document required from seller	Experience Criteria,OEM Authorization Certificate *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Bid to RA enabled	Yes
Inspection Required	No

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

1. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM

{themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of years as indicated in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the category of primary product having highest value should meet this criterion.

Dewatering Pumps (4 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
CONSTRUCTIONAL	Make of Pump	-	*
	Casing	Granded Cast Iron	*
	Impeller	Cast Iron of Grade FG200 of IS210	Cast Iron of Grade FG200 of IS210, Stainless Steel of Grade 04 Cr13 of Is 6603, Stainless Steel of Grade 12 Cr13 of Is 6603, Stainless Steel of Grade 20 Cr13 of Is 6603
	Casing and Impeller Wearing Ring If provided otherwise put NA	NA	Cast Iron of Grade FG200 of IS210, Bronze of Grade LT82 of Is 318, Brass, NA
	Shaft Type	Chrome Steel	Chrome Steel, Stainless Steel
	Gland Packing Type	Non Asbestors	*
	Blade Material	Aluminium	Aluminium, Stainless Steel
	Sleeve	Brass	Brass, Bronze, Stainless steel
	Bracket	Granded Cast Iron	Granded Cast Iron, Stainless steel, Others
	Suction Flange	Granded Cast Iron	Granded Cast Iron, Stainless steel, Others
	Net Positive Suction Head (NPSH)	100	*
	Volute Casing	Granded Cast Iron	*
	Gland Packing set	Threaded Graphite Cotton	*

One number suitable size suction strainer and Non Return Valve to be supplied with each pump	Yes	*
Number of Stages	1	1
Dimension of Pump Set (L x B x H)(mm)	-	*
Weight of Pump Set	43	*
Minimum Submerge	25	*
Delivery Flange	Granded Cast Iron	*
Material of Trolley	MS fabricated	*
Suction and Delivery Pipe Dimensions (mm x mm) (mm x mm)	-	*
The engine shall be Vertical, inline, diesel engine capable of continuous operation and must be equipped with 12 volt starter and alternator, control panel, wiring harness for panel fuel pipes and suitable battery	Yes	*
12 V starting system complete with starter motor, charging alternator and Cutout	Yes	*
Engine Make	-	*
Number of Cylinder	2	2
Engine Capacity	5	5.0
Power input to pump at Duty Point (Kilowatt)	3.7	*
Diesel engine be closed coupled and mounted on a base plate robust	Yes	*
Material of Base Plate on which Engine is Mounted	Mild Steel	*
Make of Engine Control panel	Others	*
Engine Control Panel with Following Items i Engine START switch ii Engine oil Pressure meter iii Engine Temperature meter iv	Yes	*

	Ampere Meter v Emergency Engine Stop Switch Engine oil Pressure meter Vi Engine Hour Meter Vii Fuel Indication meter Viii RPM Meter		
	Safety controls to shutdown the engine in the event of low lub oil pressure or high cylinder head temperature in case of air cooled engines	Yes	*
	Exhaust silencer of Residential type application	Yes	*
	Rotation: clock wise while facing the flywheel end	Yes	*
	Fuel Tank Capacity for min 24 hours continous running at full load	4.5	*
	Temperature Rise	40	*
	Standard set of tools consisting of set of 3 spanners ,one screw driver ,one standard plier and one nose plier of appropriate engine size shall be provided to the consignee along with , free of cost for each of Pump Set	yes	*
	Supply of Auto prime, horizontal, end suction, centrifugal type pumping unit capable handling floating material/soft solids like wooden pieces , muddy water, etc	yes	*
GENERIC	Dewatering Pump set	DEWATERING PUMPS Or ENGINE MONOSET PUMPS generally incompliance to IS 11501 : 1986 (REAFFIRMED 2016) Complete unit including pump & engine duly coupled along with auto prime system, fuel tank etc shall be	*

		mounted on a two wheeled trolley for easy transportability, The trolley shall be equipped with Leaf Springs for Suspension, Support for Rear end and Towing Bar, Parking Breaks etc and The trolley must have minimum ground clearance of 300 mm, below leaf spring	
	Type of pump	Back Pull Out	*
	Model Number of Pump	-	*
	Service/Duty	Continuous	*
	Location	Outdoor	*
	Fuel supply	Fuel Pump by Gravity Feed through Tank	*
	Starting	Hand Start	Hand Start, Battery Start, Both
PERFORMANCE	Capacity (Rate of Flow) (m³/hr)	50	50
	Total Head (min) Corresponding to Capacity and Speed (metres)	17	*
	Speed in RPM (rpm)	1000	*
	Pump Efficiency at Duty point Corresponding to Capacity and Speed (water delivered / Pump Input) (%)	0.9	*
	Lub Oil Consumption (g/k Wh) : (g/k Wh)	5	*
	All rotating parts be dynamically balanced for longer bearing life and vibration free smooth and silent operation	yes	*
	The pump shall be capable of developing required head at rated capacity for continuous outdoor operation External conditions like Rain, Snow and	yes	*

	humidity should not affect pumping operation		
	The shut off head of the pump shall not less than 12% of head at rated capacity for 3 cusec and 5 cusec pumps having 10 mtrs As duly point head	yes	*
	The pump should be capable of starting without external priming and should be capable of operation with least human intervention	yes	*
	The pump must have non-overloading characteristics and the prime mover ie engine shall not get overloaded in the entire range of operation	yes	*
CERTIFICATION	ISI marked	Yes	Yes
	CM/L No and date	-	*
	Availability of Type Test Report for conformity IS as per IS:10,001latest/IS 1117 0latest/IS:7347latest forEngines,to IS:11501 latest and IS:9137 latest for pumps and other parameters to specification from any ILAC/NABL accredited/Central Govt LAB	yes	*
	Test cetificate No and Date	-	*
	Name and address of the Lab	-	*
	Test report and certifications to be furnished to the buyer on demand	yes	*
	Warranty (Years)	1	1

* Specifications highlighted in bold are the Golden Parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Additional Specification Documents

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Paul Sanjay	834010, ICAR RCER Research Centre, Plandu, Namkum Ranchi	4	30

Bid Specific Additional Terms and Conditions

1. Successful bidder will have to ensure that adequate number of dedicated technical service personals / engineers are designated / deployed for attending to the Service Request in a time bound manner and for ensuring Timely Servicing / rectification of defects during warranty period, as per Service level agreement indicated in the relevant clause of the bid.

[This Bid is also governed by the General Terms and Conditions](#)

---Thank You---