



पूरुणियाँ सीमेन स्टेशन

Purnea Semen Station

(A unit of Bihar Livestock Development Agency)

PSS: RFQ: 097/24-25

Date: 11/07/2024

ENQUIRY

Purnea Semen Station, Purnea is a unit of Bihar Livestock Development Agency, Department of Animal Husbandry and Fisheries Resources, Govt. of Bihar. We are interested to purchase the below mentioned Item for our Semen Station. Bidders may opt to submit the bid for selected tenders as per terms & conditions specified in the Bid document in two bid system i.e. Technical and Financial in two separate sealed envelopes duly super scribing "TECHNICAL BID" and "FINANCIAL BID" and name of firm. Both the sealed envelope is to be put in bigger envelope duly sealed and super scribed with "Tender Name". The details of Tenders offer, terms & conditions may be seen on our website- www.sspurnea.com. Please refer **ANNEXURE – 1** for technical specification.

S. No.	ITEM NAME	QTY.	Model No. & Item Code	RATE / UNIT (Rs.)
01	EXCAVATOR – 35HP or Above	01 Units		

Minimum eligibility criteria:

1. Agency should have registered trade license.
2. Agency should be registered OEM/distributor of mentioned product.
3. Agency should have experience in supply & services in govt. offices.
4. Agency should be registered for payment of GSTIN and Income Tax.

Note: L1 bidder has to deposit amount, equivalent to 10% of total invoice amount as security deposit before issuing the purchase order or submit a demand draft from nationalized bank of equivalent amount in favor of "Purnea Semen Station" which shall be released after one year from the date of supply & acceptance.

You are requested to quote your lowest FOR rates with complete brand specification and GST, Payment terms, delivery and any other tax (also enclose details as required) for the same including above minimum eligibility criteria documents on or before 15:00 hours dated **25/07/2024** through our website (www.sspurnea.com) and at our following address:

General Manager

Purnea Semen Station
NH-31, Maranga, Purnea, Bihar – 854303
Contact No: - +91-9153968500
Website: www.sspurnea.com

Thanking You,

General Manager
Purnea Semen Station



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ANNEXURE – 1

➤ Required Technical Specification of Excavator – 35Hp or above

Sr. No.	Description	Specifications (Minimum requirements)
A.	Static dimensions	
1	Overall length	5.5m
2	Wheelbase	1.99m
3	Minimum ground clearance	0.33m
4	Slew ground clearance	0.51m
5	Height to top of cab	2.65m
6	Overall height	2.47m
7	Track width - rear	1.42m
8	Track width - front	1.62m
9	Width over bucket	1.88m
B.	Excavator performance	
1	Maximum dig depth	3.02m
2	Reach - ground level to rear wheel Centre 5.18m	5.18m
3	Reach - ground level to slew Centre	3.93m
4	Reach at full height to slew Centre	1.98m
5	Side reach to Centre line of machine	4.36m
6	Maximum working height	3.88m
7	Maximum load over height	2.82m
8	King post travel	0.86m
9	Bucket rotation – power	182°
10	Bucket tearout force	3120kgf
11	Dipper tearout force	1750kgf
12	Lift capacity to bucket pivot at full reach (no bucket fitted) (SAE J31)	850kg
C.	Loader performance	
1	Dump height	2.20m
2	Load over height	2.81m
3	Pin height	2.96m
4	Pin forward reach	0.44m
5	Reach at ground	1.46m
6	Maximum reach at full height	1.31m
7	Reach at full height – bucket dumped	0.91m
8	Below ground level dig depth	0.10m
9	Rollback at ground	45°
10	Dump angle	46°
11	Bucket breakout force	2610kgf
12	Loader arm breakout force	1600kgf
13	Payload	800kg



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D.	Engine details																	
1	Engine Type	Water cooled, BS III Diesel																
2	Aspiration	Naturally aspirated																
3	No. of cylinders 4	4																
4	Displacement 3.2 litres	3.2 liters																
5	Gross power	Minimum 35hp (as per SAEJ 1995)																
6	Gross torque	1400rpm 203Nm (as per SAEJ 1995)																
E.	Transmission	<p>The JCB synchroshuttle transmission provides superb drive power in all conditions. It consists of a 4-speed, fully synchromesh, smooth shift gearbox with integral torque converter and electrically operated reversing shovel.</p> <ul style="list-style-type: none"> • Easy-to-use, column mounted electric reversing shuttle switch can change machine direction while allowing operator to keep hands on the steering wheel leading to fast cycle times. • The pedals layout and conventional 4-pattern gear lever with transmission disconnect switch adds to the overall ease of operation. On-the-move gear changes are possible. • Torque convertor stall ratio is 2.67:1 																
F.	Brakes	<ul style="list-style-type: none"> • Service: Hydraulically actuated, dual line, self-adjusting compensated oil immersed, multi-disc type on the rear axle, well protected from dirt, water etc. requiring no maintenance. Operated through independent pedals linked together for normal use. • Two independently operatable foot pedals enable machine to manoeuvre in tight spaces. • Parking: Electrically operated by switch, dust proof, self-adjusting, oil immersed sealed parking discs inside the gearbox. 																
G.	Steering	<p>Full power, front wheel hydrostatic power steering with power track road and manual capability in the event of engine or hydraulic power failure.</p> <p>Hydraulic supply from pump via priority valve. Working pressure 1810psi (125 bar).</p>																
H.	Speed	<table border="1"> <thead> <tr> <th>Gear</th> <th>Forward Km/hr.</th> <th>Reverse Km/hr.</th> </tr> </thead> <tbody> <tr> <td>1st</td> <td>4.55</td> <td>4.55</td> </tr> <tr> <td>2nd</td> <td>7.76</td> <td>7.76</td> </tr> <tr> <td>3rd</td> <td>16.4</td> <td>Not recommended</td> </tr> <tr> <td>4th</td> <td>28</td> <td>Not recommended</td> </tr> </tbody> </table>	Gear	Forward Km/hr.	Reverse Km/hr.	1 st	4.55	4.55	2 nd	7.76	7.76	3 rd	16.4	Not recommended	4 th	28	Not recommended	
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I.	Electrics	100 ampere-hour 12 volts battery system with alternator and full road lighting.																
J.	Tyres	Front: 7.5x16-16PR Rear: 14.9x24-12PR																
K.	Turning circle	Inner wheels braked- A* Outside loader bucket 9.70m and B Outside wheels 7.44m Inner wheels not braked- A* Outside loader bucket 11.0m and B Outside wheels 7.90m Note- Standard bucket in travel position.																
L.	Hydraulics	System Pressure: 2610 psi (180 bar) Pump type: Gear, double pump Combined pump flow: 69lpm @2200 ppm																
M.	Weight	Minimum 4500 kg																



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N.	Service capacities	Hydraulic system: 60 liters
		Fuel tank: 60 liters
		Engine coolant: 13 liters
		Engine oil: 8 liters
		Transmission: 16 liters
		Rear axle: 11 liters
O.	Axles	Rear: Drive axle rigidly mounted, incorporates JCB Max-Trac torque proportioning differential, driven by short prop shaft from gear box. Front: 2WD steer axle, centrally pivoted with oscillation angle of 16°.
P.	Options and other attachment required.	Excavator buckets
		Capacities: 0.18 cum (standard)
		0.16 cum
		1ft bucket
Q.	Canopy	• Front glass with wiper provided for operator comfort whilst driving.
		• Excellent operator safety.
		• Floormats and plenty of legroom minimizes fatigue and provides extra comfort to the operator.
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		• Excellent operator safety.
		• Floormats and plenty of legroom minimizes fatigue and provides extra comfort to the operator.
		• Adjustable operator seat combined with ergonomically positioned controls and soft touch steering wheel allows an operator to work uninterrupted for long hours.
		• Canopy provides easy 'walk-through' access. Other features include seat belt, large convex rear-view mirror, front screen wiper, front and rear horn, hazard warning system, lockable tool box and helper seats (2+1).
R.	Other	• Instrumentation panel is positioned on the right-hand side and includes engine speed, engine hours, fuel level, water temperature and mobile charger. Easily visible while both and operation.
		• Audible and visual fault warning system for alternator charging, coolant temperature, engine oil pressure, blocked air filter, transmission oil pressure and temperature and hand brake on.
		• Strong and sturdy chassis, body, gearbox, drives, axle, clutch, brakes, tires.
		• Machine to be complete in all respects, ready to use version.
		• Minimum Two-year warranty and servicing and extended

END OF LIST