

Bid Document

Bid Details	
Bid End Date/Time	20-07-2020 17:00:00
Bid Opening Date/Time	20-07-2020 17:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Railways
Department Name	Na
Organisation Name	N/a
Office Name	Office Of Principal Chief Materials Manager, South Western Railway, Hubli
Total Quantity	10
Item Category	dewatering pumps
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Certificate (Requested in ATC) *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	No
Inspection Required	No

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

Dewatering Pumps (10 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
	Casing and Impeller Wearing Ring If provided otherwise put NA	Brass	Brass
	Shaft Type	Stainless Steel	Stainless Steel
	Gland Packing Type	Asbestors	*
	Blade Material	Stainless Steel	Stainless Steel
	Sleeve	Brass	Brass
	Bracket	Granded Cast Iron	Granded Cast Iron
	Suction Flange	Granded Cast Iron	Granded Cast Iron
	Net Positive Suction Head (NPSH)	8	*
	Volute Casing	Granded Cast Iron	*
	Gland Packing set	Threaded Graphite Cotton	*
	One number suitable size suction strainer and Non Return Value to be supplied with each pump	Yes	*
	Number of Stages	5	5
	Dimension of Pump Set (L x B x H)(mm)	-	*
	Weight of Pump Set	32	*
	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	Yes	*

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		
12 V starting system complete with starter motor, charging alternator and Cutout	Yes	*
Engine Make	-	*
Number of Cylinder	1	1
Engine Capacity	5	5.0
Power input to pump at Duty Point (Kilowatt)	2.9	*
Diesel engine be closed coupled and mounted on a base plate robust	Yes	*
Material of Base Plate on which Engine is Mounted	Cast Iron	*
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 Ampere Meter v Emergency Engine Stop Switch Engine oil Pressure meter Vi Engine Hour Meter Vii Fuel Indication meter Viii RPM Meter	Yes	*
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	Yes	*

	flywheel end		
	Fuel Tank Capacity for min 24 hours continuous running at full load	4	*
	Temperature Rise	35	*
	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 in compliance 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	*

PERFORMANCE	Fuel supply	Fuel Pump by Gravity Feed through Tank	*
	Starting	Hand Start	Hand Start
	Capacity (Rate of Flow) (m³/hr)	300	300
	Total Head (min) Corrsponding to Capacity and Speed (metres)	25	*
	Speed in RPM (rpm)	3600	*
	Pump Efficiency at Duty point Corrsponding to Capacity and Speed (water delivered / Pump Input) (%)	90	*
	Lub Oil Consumption (g/k Wh) : (g/k Wh)	20	*
	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 humidity should not affect pumping operation	yes	*
	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	yes	*

	prime mover ie engine shall not get overloaded in the entire range of operation		
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	Somanath Nivrutti Shinde	560009,O/o Divisional Railway Manager, Office Complex, South Western Railway Divisional Office, Bangalore.	10	20

Bid Specific Additional Terms and Conditions

1. Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)

2. Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.
3. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
4. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
5. Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.
6. The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.

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

---Thank You---