

### Bid Document

Bid Details	
Bid End Date/Time	25-07-2020 17:00:00
Bid Opening Date/Time	25-07-2020 17:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	75 (Days)
Ministry/State Name	Ministry Of Coal
Department Name	Materials Management
Organisation Name	Northern Coalfields Limited
Office Name	Singrauli
Total Quantity	1
Item Category	ELISA reader and washer
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	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	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.

### ELISA Reader And Washer ( 1 pieces )

## Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Standards	<b>Certifications for product</b>	CE	CE
	Certification number and date	-	*
	Manufacturer should have ISO 13485 certification for quality standards	Yes	*
Performance parameters	Application	ELISA reader and washer - Semi automated platform for ELISA which detects/ measures the presence / concentration of an Antibody or Antigen in Sample	*
	<b>Type of Reading</b>	Plate	Plate
	Type of model	Bench Top	*
	Maximum Number of assay / Test per batch	0-12	*
	<b>Number of samples at a time</b>	40-96	40-96
	Self check at startup	Yes	*
	The system should have user friendly software	Yes	*
	Automated well washing performed at customized volumes and cycles	Yes	*
	Curve fit Modes	LIN/LIN,LIN/LOG,LOG/LOG, Auto curve	*
	Elisa Reader and Washer shall be adjustable for different micro plate geometric	Yes	*
	Availability of halogen lamp	Yes	*
	Availability of aerosol Shield for user safety	Yes	*
	Variable speed and plate/strip shaking	Yes	*

capability		
Design of Elisa Reader and Washer should eliminate overfilling and contamination	Yes	*
Design of Elisa Reader and Washer should facilitate easy cleaning	Yes	*
16 manifold washer - 8 dedicated needles for aspiration and 8 for dispensing to avoid cross contamination	Yes	*
Operating modes	L-J Chart,CV evolution,OD evolution,west guards	*
Bio-hazardous waste disposable container provided	Yes	*
Weight in kg	11	*
Power supply	230 Volt AC, +-10%, 50 HZ	*
<b>Availability of external Laser printer</b>	Yes	Yes
Type of monitor	LCD	*
<b>Keyboard</b>	Key Board Inbuilt	Key Board Inbuilt
<b>RS 232 Port</b>	Yes	Yes
<b>USB Port</b>	Yes	Yes
Power consumption in watt	200	*
<b>Memory Storage capacity for test results with patient ID</b>	More than 5000	More than 5000
Methods of assay	Qualitative, Semi Quantitative and Quantitative	*
Processing Temperature settings in degree Celsius	37 & Room Temperature	*
Graphical display of plate/strip lay out for specifying controls ,samples and blanks etc	Yes	*
8-12 channel manifold, all tubing sets, wash,	Yes	*

	rinse and waste bottles, maintenance kit to be provided		
	2 sets Use Manual and Technical Maintenance manuals in original to be supplied	Yes	*
	<b>Warranty in years</b>	3	3
Reader Specifications	<b>Dynamic range in OD</b>	0 to 4	0 to 4
	<b>Wavelength range in nm</b>	400 - 800	400 - 800
	<b>Filter</b>	405,450,492,630 nm with provision to add three more filters	405,450,492,630 nm with provision to add three more filters
	Automatic filter selection	Yes	*
	Maximum Reading time for single wavelength in second per strip / Plate in seconds	12	*
	Precision <1% CV	Yes	*
	<b>Resolution</b>	0.001	0.001
	<b>Accuracy</b>	±1 % or better	±1 % or better
Washer Specifications	Wash cycle	0-12	*
	Residual volume in ul	8	*
	Washer buffer capacity in litres	2	*
	Availability of low buffer alarm	Yes	*
	Soak time in hours	1	*
	Dispense pressure preset	Yes	*
	Availability of rinse function	Yes	*
Process Security	Interfacing with Computer include desktop PC running windows based OS	Yes	*
	Data processing	Semi Quantitative, Quantitative and Qualitative	*

\* 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	Dr.Vijay Kumar	486889,CENTRAL HOSPITAL NCL HEADQUARTERS PO - SINGRAULI MADHYA PRADESH 486889	1	60

**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)

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

**---Thank You---**