

TECHNICAL SPECIFICATIONS

(May please fill each field of this Technical Bid Template & submit along with offer)					
NFL Nangal Case Ref. No.		SPX/2023/216/Re			
GeM Tender ID No.					
Quotation No. & Date					
Name of Bidder & Complete Address:					
Vendor's Contact Details: Vendor may furnish E-Mail Id, Telephone / Mobile No. etc. alongwith complete Name & Address details of the firm for Clarifications / Placement of Order.		Email ID: Mobile NO: Contact Person:			
Sr. No.	NFL Requirement as per NIT				Vendors Comment (Agreed / If not Agreed, Please Comment)
1	Sr. No.	Description of Material	Qty.	UOM	
	I	Pressure Gauge Range:- 0 to 6 Kg/cm2 Dial Size :- 150 mm Connection Type :- 1/2" NPT, Male, Bottom	10	Nos.	
	ii	Pressure Gauge Range:- 0 to 10 Kg/cm2 Dial Size :- 100 mm Connection Type :- 1/2" NPT, Male, Bottom	10	Nos.	
	iii	Pressure Gauge Range:- 0 to 10 Kg/cm2 Dial Size :- 150 mm Connection Type :- 1/2" NPT, Male, Bottom	10	Nos.	
	iv	Pressure Gauge Range:- 0 to 16 Kg/cm2 Dial Size :- 100 mm Connection Type :- 1/2" NPT, Male, Bottom	10	Nos.	
	v	Pressure Gauge Range:- 0 to 16 Kg/cm2 Dial Size :- 150 mm Connection Type :- 1/2" NPT, Male, Bottom	10	Nos.	
	vi	Pressure Gauge Range:- 0 to 25 Kg/cm2 Dial Size :- 100 mm Connection Type :- 1/2" NPT, Male, Bottom	10	Nos.	

vii	Pressure Gauge Range:- 0 to 25 Kg/cm ² Dial Size :- 150 mm Connection Type :- 1/2" NPT, Male, Bottom	10	Nos.	
viii	Pressure Gauge Range:- 0 to 40 Kg/cm ² Dial Size :- 100 mm Connection Type :- 1/2" NPT, Male, Bottom	10	Nos.	
ix	Pressure Gauge Range:- 0 to 40 Kg/cm ² Dial Size :- 150 mm Connection Type :- 1/2" NPT, Male, Bottom	10	Nos.	
x	Pressure Gauge Range:- 0 to 60 Kg/cm ² Dial Size :- 100 mm Connection Type :- 1/2" NPT, Male, Bottom	10	Nos.	
xi	Pressure Gauge Range:- 0 to 100 Kg/cm ² Dial Size :- 150 mm Connection Type :- 1/2" NPT, Male, Bottom	10	Nos.	
xii	Pressure Gauge Range:- 0 to 160 Kg/cm ² Dial Size :- 100 mm Connection Type :- 1/2" NPT, Male, Bottom Liquid Filled : Glycerin	10	Nos.	
xiii	Pressure Gauge Range:- 0 to 160 Kg/cm ² Dial Size :- 150 mm Connection Type :- 1/2" NPT, Male, Bottom Liquid Filled : Glycerin	10	Nos.	
xiv	Pressure Gauge Range:- 0 to 250 Kg/cm ² Dial Size :- 100 mm Connection Type :- 1/2" NPT, Male, Bottom	10	Nos.	
xv	Pressure Gauge Range:- 0 to 7 Kg/cm ² Dial Size :- 50 mm Connection Type :- 1/4" NPT, Male, Back	100	Nos.	

xvi	Pressure Gauge Range:- 0 to 2.5 Kg/cm ² Dial Size :- 50 mm Connection Type :- 1/4" NPT, Male, Back	20	Nos.	
xvii	Pressure Gauge Range:- 0 to 2.5 Kg/cm ² Dial Size :- 40mm Connection Type :- 1/8" NPT, Male, Back	10	Nos.	
xvii	Pressure Gauge Range:- 0 to 7 Kg/cm ² Dial Size :- 40mm Connection Type :- 1/8" NPT, Male, Back	10	Nos.	
xix	Pressure Gauge Range:- 0 to 4 Kg/cm ² Dial Size :- 100mm Connection Type :- 1/2" NPT, Male, Bottom	10	Nos.	
xx	Pressure Gauge Range:- 0 to 4 Kg/cm ² Dial Size :- 150mm Connection Type :- 1/2" NPT, Male, Bottom	10	Nos.	
xxi	Pressure Gauge Range:- 0 to 6 Kg/cm ² Dial Size :- 100 mm Connection Type :- 1/2" NPT, Male, Bottom	10	Nos.	
NOTE;				
a)	All other specifications as per Annexure-1 attached.(please comply the same)			
b)	Party to provide following documents along with the material:- a) Accuracy certificate b) Over-range certificate. c) Calibration test certificate for each pressure gauge.			
c)	“Party have to furnish a Guarantee / Warranty Certificate for your products against defective material / bad workmanship for a period of 12 months from the date of commissioning or 18 months from the date of dispatch, whichever is earlier. In case the material fails during the above Guarantee period due to defective material or bad workmanship, you will have to replace the same free of cost. Certificate must accompany the dispatch documents”.			

ANNEXURE-1

Technical Specifications ANNEXURE			Vendor acceptance/ Comments
1	Type	Bourdon Type	
2	Sensing Element	Seamless Bourdon Tube Duly annealed after welding with socket.	
3	Sensing Element Material	Stainless Steel SS316L	
4	Accuracy	+/- 1 % of FSD and +/- 2.5% for dial size 50mm and 40mm	
5	Over range Protection	130 % of FSD	
6	Movement assembly	Stainless Steel (minimum SS304)	
7	Dial	Aluminum, Enameled white with black lettering, with pointer stop pin.	
8	Pointer	Aluminum, Black	
9	Case	Stainless Steel, with pressure relief in case back	
10	Window	Laminated Safety Glass for gauges with dial size 100mm or more. Laminated Safety Glass/Acrylic glass for gauges with dial size 40mm and 50mm.	
11	Bezel Ring	Cam ring (Bayonet Type), stainless steel SS304 or better for gauges with dial size 100mm or more. Cam ring (Bayonet Type), stainless steel SS304 or better/Crimped push fit type for gauges with dial size 40mm and 50mm.	
12	Zero Reset Adjustment	Required for gauges with dial size 100mm or more. Optional for gauges with dial size 40mm and 50mm.	
13	Blow out disc	Provided, Neoprene Optional for gauges with dial size 40mm and 50mm.	
14	Mounting	Direct Bottom entry.	
15	Liquid Filled	Glycerin 99.7% (required for Item Sr No. 12 & 13)	