



OFFICE OF THE PRINCIPAL, GOVERNMENT POLYTECHNIC - KANDHAMAL, PHULBANI
At/Po: Phulbani, PIN – 762001, website: <http://gpkandhamal.org>
(Dept. of S D & T E, Odisha, Bhubaneswar, Under Directorate of Technical Edn&Trng, Odisha)

Quotation Notice No. 347

Date:25-03-2025

Sub:- Quotation for supply of instruments for chemistry Lab of Govt. Polytechnic, Kandhamal, Phulbani

Sealed quotations are invited for supply of instruments for Chemistry Lab (List of Instruments Enclosed) of Govt. Polytechnic, Kandhamal Phulbani, strictly as per the terms and conditions laid down below. No other terms and conditions quoted by any supplier are acceptable.

Terms and Conditions:-

1. Late date and time of receipt of quotation: - 02.04.2025. 5.00 P.M
2. Date of Opening :- 03.04.2025 at 04.00 P.M
3. Place of opening:- Office of the Principal Govt. Polytechnic, Kandhamal, Phulbani
4. If the last date of submission or opening is declared as holiday by Govt. of Odisha then the next working day will be the day for submission and opening.
5. No quotation will be accepted after the stipulated date and time. The tender and their authorized agents / representatives may remain present during opening of quotation. After opening of the quotation no correction of rate will be allowed therein.
6. Quoted items (instruments for Chemistry Lab) are to be delivered within the period as per the purchase order.
7. The Quoted rates will have to remain valid up to 12 months from the date of opening of quotation.
8. All pages of quotation paper are to be signed and rubberstamped. Any correction is to be duly initialed.
9. The list of the quoted instruments must be of Superior quality with market reasonable price.
10. The Quotation paper envelopes are to be superscribed in bold letter "Quotation for instruments for Chemistry Lab of Govt. Polytechnic, Kandhamal".
11. All instruments are to be delivered in good condition and perfect order. Instruments received in damage condition & short supply is to be rejected and replaced by the supplier at his own cost within a reasonable period.
12. It will not be binding on purchase committee to select items offered in the lowest rate basis.
13. The under signed reserves the right to accept or reject any quotation or part thereof without assigned any reason what so ever.
14. The firm should enclose PAN/GSTN Regn No., Trade License copy.

Memo No. 348

Date:25-03-2025

Copy to the office of the Sub-Collector-Phulbani, Sub-registrar-Phulbani, GM DIC-Phulbani, Employment Officer-Kandhamal, Tahashildar-Phulbani, with a request to put a copy of this Notice in their Official Notice Board in public interest.

P. R. Samant
Principal 25-3-25
G.P. Kar
Principal
Govt. Polytechnic
Kandhamal, Phulbani

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Exp. No.	Experiment Name	MATERIAL REQUIRED	Quantity	Glass wares	Quantity	Chemicals Required	Quantity
1	Conductivity Of given Water	Conductivity meter with electrode (Range-0 to 20, 200 μ S accuracy \pm 1% range)	1 no			potassium chloride	
		Magnetic stirrer (250-1250 rpm)	1 no	Glass rod	10		
				Standard volumetric flask (250 ml)	5		
2	Determination of Iron content in given cement sample	photo colorimeter(wave length accuracy \pm 0.9nm)	1 no			Ferrous ammonium sulphate	
						40%Potassium Thiocyanate	
						40%Ammonium Thiocyanate	
						Con. Sulphuric acid	
						Potassium Permanganate	
						Hydrochloric acid	
						Nitric acid	
3	Determination of calorific value of solid or liquid fuel using bomb calorimeter	1 bomb calorimeter	1 no				
		2 Digital thermometer	1 no				
		3 Fuel sample					
4	determination of viscosity of lubricating oil using redwood viscometer	1 Redwood viscometer	1 no				
		2 thermometer	1 no				
		3 stop watch	1 no				
5	Determination of flash and fire point of lubricating oil using Abel's apparatus		1 no				
6	construction and measurement of emf of	1 Multimeter	1 no			copper sulphate	

	electro chemical cell (Daniel cell)	2	voltmeter	1 no			zinc sulphate	
		3	connecting wires	1 no			copper rod	
		4					zinc rod	
7	To study the effect of dissimilar metal combination	5					salt bridge	
		1					Aluminium sulphate	
8	Preparation of standard solution of oxalic acid or potassium permanganate						Aluminium Rod	
		1					oxalic acid (500gm)	2 nos
		2					potassium permanganate(500gm)	2 nos
9	Determine strength of given sodium hydroxide solution by titrating against standard oxalic	1					sodium hydroxide	2 nos
10	Standardization of kmno4 solution using standard oxalic acid and determine the percentage of iron						haematite	
		1				5 nos	round bottom flask	
		2				2 no	beaker(1000ml)	
11	Iodometric estimation of copper in the copper pyrite ore						hydrochloric acid	
		3					zinc granules	
		1				5 nos	potassium dichromate (500gm)	2 nos
12	Volumetric estimation of total acid number (TAN) of given oil						sodium thiosulphate(500gm)	2 nos
		2				5 pc	gloves	
		1	water bath	1 no			ethyl alcohol	1 no
		2					phenolphthalein indicator	2 no
		3					potassium hydroxide(500ml)	2 nos

13	Volumetric estimation of alkalinity of given water sample using 0.01M sulphuric acid						Mixed indicator(a mixture of bromocresol green & methyl red	1 no
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