

YOGI VEMANA UNIVERSITY

Department of Chemistry, KADAPA – 516 003, Andhra Pradesh, INDIA



Dr. L. Subramanyam Sarma
Assistant Professor
Principal Investigator DST Project

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(Ref: YVU/DEVP/LSS/DST/Chem/Consum, Cont., Travel & Manpower/IQ/2015-16, Dt: 18-08-2015)

Dt: 02-09-2015

To
M/S Suppliers

Sub: DST project - Dr. L. Subramanyam Sarma, PI- Dept of Chemistry – Purchase of Chemicals/Glassware/Labware for 2015-16 – Quotation – Req – Reg.

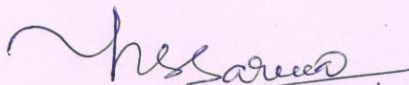
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You are requested to send your lowest quotation in triplicate towards the supply of Chemicals/Glassware/Labware along with your terms and conditions so as to reach to **The Registrar, Yogi Vemana University, KADAPA – 516 003, Andhra Pradesh** on or before **22-9-2015** by **registered/SPEED POST ONLY**.

Kindly mention the last date and super scribe the **reference number & name of the project investigator (Dr. Loka Subramanyam Sarma)** on the cover.

Thanking you.

Sincerely


(LOKA SUBRAMANYAM SARMA)
21/9/15

Dr. L. SUBRAMANYAM SARMA
Principal Investigator DST Project
Assistant Professor
Department of Chemistry
YOGI VEMANA UNIVERSITY
KADAPA - 516 003.


Enclosure: List of items enclosed.

List of Chemicals Required:

S No	Chemical Name	Product code (Brand Name)	Quantity
1.	Chloroplatinic acid ($H_2PtCl_6 \cdot 6H_2O$)	206083-1G (Sigma-Aldrich)	5 g
2.	Chloroauric acid ($HAuCl_4$)	520918 (Sigma-Aldrich)	2 g
3.	Ruthenium tri chloride ($RuCl_3$)	208523-2G (Sigma-Aldrich)	2 g
4.	Palladium chloride ($PdCl_2$)	205885 Sigma aldrich	2 g
5.	Octadecylamine	305391-sigma	25 g
6.	Methanol	322415 (sigma Aldrich)	1 lit
7.	L-Ascorbic acid	A92902--sigma aldrich	500 g
8.	Titanium oxy sulfate ($TiO(SO_4)$)	495379-Sigma Aldrich	250 mL
9.	Titanium-iso-propoxide	Sigma Aldrich	250 mL
10.	PTFE Binders (3.18 mm thickness)	45172 Alfa-Aesar	1 (300 mm × 300 mm).
11.	Sodium boro hydrade ($NaBH_4$)	Sigma Aldrich/Merck (Emsure quality)	100 g
12.	Perchloric Acid	Merck (Emsure quality)	1 Litre
13.	Sulfuric acid	Sigma Aldrich	500 mL
14.	Polytetraflouroethylene (PTFE) 60 wt% dispersion in H ₂ O	665800-Sigma Aldrich	100 mL

List of Glassware/Labware:

S. No	Glassware/Accessories	Make/Product No:	Quantity
1.	Beakers	Borosil/1000-25 ml	12
2.	Beakers	Borosil/1000-50 ml	12
3.	Beakers	Borosil/1000-100 ml	12
4.	Beakers	Borosil/1000-250 ml	6
5.	Beakers	Borosil/1000-500 ml	6
6.	Three-necked Round bottom flask	Borosil/4383A16-100 mL	4
7.	Autoclaves	100 mL Teflon lined hydrothermal synthesis Autoclave reactor (PTFE lined vessel)	2


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