



Specification:

- Transmitted light
- Incident light
- Leica application suite (LAS or LAS X) for windows 7 64 bit
- Microscope with camera configuration
- Microscope and camera control
- Image acquisition
- Objective magnifications 10X, 20X, 50X and 63X in oil immersion.

Applications:

- Major Maceral identification
- Detailed macerals sub group’s identification
- Vitrinite Reflectance (Thermal maturation)
- Transmitted light study for thin sections
- Fluorescence study for organic rich matter.

User Instructions

1. For Maceral identification in coal or shale sample the 1mm size of sample are needed
2. Sample weight should not be less than 15gm for analysis.
3. Sample are processed further for pellet making in automatic Buehler Simplimet 4000
4. The grinding polishing of pellet is done with Buehler Auto Met 250

Contact Person:

Group Head: Dr. Anupam Sharma (0522-2742974);
Email anupam_sharma@bsip.res.in
Incharge Scientist: Dr. Runcie Paul Mathews (0522742930); **Email:** runciepaulmathews@gmail.com
 Dr. Divya Mishra, **Email:** divya.mishra@bsip.res.in

Charges rate for Organic petrographic study in Advanced Organic Petro geochemical Laboratory on the per sample basis including 18% GST.

S.No	Facilities	<u>Charges</u>		
		University	National Lab/R&D's	Industry
1	Pellet preparation (Coal, Lignite & Carbonaceous Shale) including grinding and polishing	Rs 500/- per sample	Rs 1000/- per sample	Rs 2500/- per sample
2	Maceral counting (general) <ul style="list-style-type: none"> i. Coal ii. Shale 	Rs 1000/- per sample Rs 1000/- per sample	Rs 3000/- per sample Rs 4000/- per sample	Rs 5000/- per sample Rs 7000/- per sample
3	Maceral counting (detailed)			

	i. Coal ii. Shale	Rs 2000/- per sample Rs 2000/- per sample	Rs 4000/- per sample Rs 5000/- per sample	Rs 7000/- per sample Rs 10000/- per sample
4	Vitrinite reflectance (VRo) i. Coal ii. Shale	Rs 2000/- per sample Rs 4000/- per sample	Rs 5000/- per sample Rs 7000/- per sample	Rs 10000/- per sample Rs 12000/- per sample

*Note: For the pellet preparation sample should be provided of the 1mm size.

*rates will be subjected to an increase by 10% annually

*rates mentioned are for the analysis of single sample

**Advanced Coal Petro-
Geochemical Analytical Facility**
Birbal Sahni Institute of Palaeosciences,
53 University Road Lucknow 226007

Invoice No.

Date:

Customer

Quantity	Description	Rate	Amount

GST No. **09AAATB6882H2ZF**

Payment details:

Beneficiary: Director, BSIP Lucknow Account:

187301000001666

IFSC: IOBA0001873

Bank Name: Indian Overseas Bank Branch

Address: BSIP, 53 University Road, Lucknow 226007, U.P,

India

Note: DD Payable at 'The Director' BSIP Lucknow

SANDEEP KUMAR SHIVHARE
Registrar

UTR No.

*Copy to Dr. Runcie Paul Mathew 'Scientist D' or Dr. Divya Mishra "Scientist B" for information