Name of Machine	X-Ray Fluorescence (XRF)
Make	PANalytical, Netherland Model Axios ^{MAX}
	$\int_{a}^{b} \frac{1}{2} $
Specification	
The salient	t features/Specifications of the system are as follows:
	elength dispersive (WD-XRF) Machine (power: - 3KW,60kV-160mA) is used for ctingthe elements.
	a non-destructive analysis technique for the Major oxides and Trace elements present in
	ample covering elements from Boron to Uranium.
	lysis can be done on pressed powder pellets made from fine powder.
	Working principle:
wavelength	ngth dispersive detection system physically separates the X-rays according to their hs, the x-rays are directed to a crystal, which diffracts (according to Bragg's Law) the X-rays t directions according to their wavelengths (approximate)
in anterent	t directions according to their wavelengths (energies). Application
• Ou	antification of the elements in Hard rocks and sediment/Soil of geological past
_	antification of Metals & alloys in synthetic material,
-	cological samples,
	Iter samples.
	vironmental Applications
	User Instruction
1.For Ma	jor oxides and trace elements, samples should be provided in powder (-200 mesh) form
otherwi	se grinding charges will also be applicable as per the rate list.
2. Sample weight should not be less than 20gm for analysis.	
3. Data ger	nerated will be provided on CD (Compact Disc) or DVD (Digital Versatile Disc).
4. Students	s/Research scholars will prepare pellets for analysis on their own.
Contact Person	
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