

Monitoring Report

Visit Date	05-03-2016
Report Submitted	21-03-2016

- 1). **Name of Project:** Exploration & Evaluation for Phosphate Occurrence Deposits in Muzaffarabad and Kotli District AJK PC-II.
- 2). **Sector:** Industries
- 3). **Sub-Sector:** AKMIDC
- 4). **Unique Ref. No:** IND-205
- 5). **Location:** District Kotli AJK

District	Tehsil	Constituency	Village/Town Committee
Kotli	--	--	--

- 6). **Status:**

On-Going		Completed
Original	Revised	No

- 7). (a) **Timeline:**

	As per PC-II		Approved Duration of Project (Months)	As per Admin Approval	
	Date of Approval	Date of Completion		Start Date	Completion Date
Actual	08-11-2012	08-11-15	36	21-05-2013	21-05-2016
Revised (last)	--	--	--	--	--

- (b) **Time Overrun:** No

- 8). **Cost:**

Amount	Actual	1 st Revised	2nd Revised	3rd Revised	4th Revised	5 th Revised
		19.450 Million Rs.	--	--	--	--
Date	08-11-2012	--	--	--	--	--

9). (a) Project History

Year	Phasing as per PC-II	Actual ADP Provision/Releases	Utilization
2013-14	07.540	5.600	05.390
2014-15	10.780	5.000	02.240
2015-16	01.130	3.500	04.536
Total	19.450	14.10	12.166

(10). Financial Progress:

S#	Items	Year-I (6 Months) Expd.	Year-II (12 Months) Expd.	Year-III (2 Months) Expd.	Actual Total Expd.
1.	Salary & Wages	03.898	Nil	Nil	03.898
2.	Machinery And Equipment	00.930	02.400	00.518	03.848
3.	Physical Work & Misc.	00.387	Nil	02.459	02.846
4.	Consumable Stores	00.175	Nil	01.559	01.734
Total		05.390	02.240	04.536	12.326

11). Physical Progress: (Quantitative)

Activities of Work	Unit	Quantity	Cumulative Physical Achievement up to end of last financial year.	Physical Target Achieved During Current Financial Year	
				Planned	Achieved
1	2	3	4	5	6
Salary & Wages		12	0	--	--
Compressor, Drill rods etc.	Nos.	1	1	--	--
Physical Work and Misc.	M ³	2000m ³	0m ³	2000m ³	50m ³
Drivage of Adits	RM	150 RM	--	150 RM	0
Core Drilling	RM	130 RM	--	130 RM	0
Maintenance of	RM	--	--	--	--

Access Paths					
Field tests	Nos	300	60	300	130
Petrography	Nos.	60	0	60	0
Chemical Analysis	Nos.	130	0	130	49

12). Supervision of Work:

Name of PD /Responsible officer	Khawaja Shokat
Designation	Project Manager
Full time/Additional Charge	Additional Charge of Executive Director
Contacts	
Office	05822-921580
Residence	
Cell	
Fax	05822-921580

13) Findings:

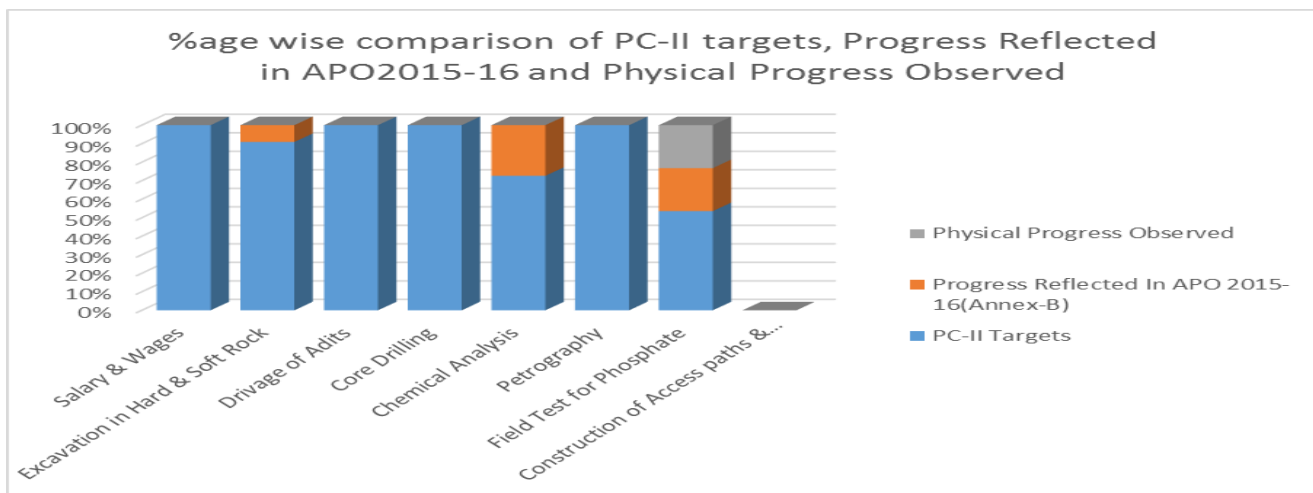
As described in the year-wise financial phasing and upon monitoring of the project during field visit, following are the findings which include flaws that need addressed on priority basis:

- i. The exploration of the Phosphate was initiated without acquiring the prospective license (**Annex-C**) which caused inconvenience and inordinate delay in the execution of the project.
- ii. An amount of Rs. 3.647 million was transferred to Corporation's account for Payment of salary & Wages before the creation of posts and appointment of staff against the project vide order No.Corp\HO\2071\2014 dated 26\03\2014. This indicates severe financial irregularity in the expenditures.
- iii. Despite the fact that corporation (AKMIDC) avails adequate funds in ADP for implementation of project activities, the implementing agency has not completed the project in time, therefore; failed to achieve the given targets in stipulated time frame, however the project administration instead of initiating core activities made expenditures to show the financial progress on Salary & Wages and Purchase of Machinery, equipment like compressor which is not used in field so far.

- iv. The field visit and record shows that there are ample issues of capacity therefore; the project suffered a lot in achieving the given targets as planned without cost overrun. It also indicates that the project administration relies on achieving financial progress through payment of staff salaries & Procurement of machinery instead of target activities essential for making the project a success.
- v. The most of the physical progress in form of trenching was observed in Karjai (Bangang Devigarh area) section which is the SW limb of the anticline, where the soil cover was excavated along the strike extension of the promising Cherty Dolomite bed which is expected to be the host rock for phosphate from the different levels of the formations.

S#	Description	Unit	PC-II Targets	PC-II Allocation	Financial Progress	Progress Reflected In APO 2015-16 (Annex-B)	Physical Progress Observed
1.	Salary & Wages	Nos.	12	6.800	3.647	3.647	0*
2.	Excavation in Hard & Soft Rock	M ³	2000	1.200	0.723	200	±50*
3.	Drivage of Adits	RM	130	1.300	0.833	0	0*
4.	Core Drilling	Meter	130	1.04	0.055	0	0*
5.	Chemical Analysis	Nos.	130	1.950	1.173	49	49*
6.	Petrography	Nos.	60	0.300	0.023	0	0
7.	Field Test for Phosphate	Nos.	300	0.060	0.031	130	130
8.	Construction of Access paths & Roads	Rm.	--	0.250	0.050	--	0

*the expenditures so far against the items are much greater than the physical progress which indicates the impossibility of achieving targets within the budget allocated in PC-II.



vi. The basic need of Trenching is described as “in areas where soil cover is thin, the location and testing of bedrock mineralization is made relatively straightforward by the examination and sampling of outcrop. However, in locations of thick cover such testing may involve a deep sampling program by pitting, trenching or drilling. Pitting to depths of up to 30 m is feasible and with trenching forms the simplest and least expensive method of deep sampling.” Whereas the Department did not follow the procedure and worked with following details:

- a. In the north eastern limb of the anticline in the Nakyal area, there was no need of trenching because access road to Nakiyal was across the strike direction of the formation which exposed all parts and Lithological variations of the formation due to road cuts, because of this reason there was no need of excavation/ trenching as mentioned above and samples could be taken by using geological hammer without any cost. Very small amount of trenching was observed in this region.
- b. Similarly, the Dandli Goi road was following the same trend exposing all parts of the dolomite, so no excavation was required in this section too. In both Dandli Goi section Crushed aggregate plants were observed which also exposed a thick section of formation so only sampling from appropriate place was needed for cost efficient object oriented exploration.

vii. The main objective of the project was to explore/ identify the Phosphate which was only possible through Petrography and Chemical Analysis of the samples taken from the field, sadly very less amount of tests are performed until now and Corporation has shown lesser interest than required

in performing test and analyzing the samples (petrography & chemical analysis) but shown its lot of interest in excavation and making financial progress.



Examples of Trenching in Already Road Cut
Section where it was not needed.

14). Recommendations/ required action to be taken by the department.

1. The AKMIDC must observe the fact that in Dandli, Goi, Nakiyal and Gajjan section Dolomite's and Limestone's upper to lower contact have been exposed due to road cutting across the strike direction, so proper sampling and testing must be done instead of doing excavation on already exposed outcrops.
2. Mostly the extension of Cherty Dolomite is found alongwith the Fault Gouge whose contact in Karjai section is marked with Pozolana Ash and Lower contact is with Patala Shales which is a potential source of Fire clay deposits, Bauxite is also present in Patala Shales alongwith lenses of coal. Coal is already been extracted on commercial level by local investors. Bauxite, Fire Clay and Pozolana be tested from the funds available from the Phosphate exploration Project. Only

Geological sampling and very few Nos of Petrography as well as Chemical Analysis is needed to prove the potential sources of foresaid elements.

3. Proper testing of samples from recognized labs be done on major scale instead of trenching, core drilling and aditing so that if there is any phosphate, it is traced and project becomes a successful entity.
4. The expenditures which are made against zero physical progress must be investigated by concerned officials, the recovery of these funds must be done at the earliest.

15) Category:

Activities as per PC-II	Very Good	Good	Satisfactory	Poor	Relation with observations
Salary & Wages				✓	No staff was appointed and salary was withdrawn upon single order
Physical Work and Misc.				✓	No planned targets were achieved
Drivage of Adits				✓	Only financial progress was made against 0.833 million
Core Drilling				✓	Not even a single meter was observed against 0.055 million.
Maintenance of Access Paths				✓	Very less physical progress was found
Field tests		✓			Satisfactory
Petrography				✓	No petrography tests were performed
Chemical Analysis				✓	Very few as compared to planned targets were performed.

16). Reporting team (P&D)

Name	Designation	Signature	Date
Raja Manzoor Hussain	Chief M&E		
Syed Ahmed Hassan	Geotechnical/ Material Engineer		
Engr. Ahtesham Altaf	AD. M&E		