

number of tents and tent equipments are being found necessary for accommodating staffs and officers.

(33) For the purpose of quarry, stones at different places near to the construction centres have been selected and approved by the Geological Department. Best granites will be used for stone chips after testing the blocks. Earth cutting machineries will be used where the soil is hard and depth is 10' and bed width of the canal will permit this. In other places manual labour will be utilised.

(34) The project has just been taken up. Uptil now the works done are confined to land acquisition surveys, testing of soil, model experiments, soil surveys, selection of sites for major structures, manufacturing of bricks, construction of Bench Mark, centre line and Boundary pillars, collection of some machineries such as concrete mixture etc. As I have already taken much time, I will not go further on in describing details of designs or other details of the scheme this time. However as the construction advances, I desire to keep this Association informed with upto date details about this scheme from time to time.

## 23rd Indian Science Congress

P. H. KUTAR

President, Section of Engineering & Metallurgy

Mr. P. H. Kutar graduated from the Bombay University, taking his B.A. in 1919 and B.Sc. in 1920 with first class honours in Physics and Chemistry. He was appointed a fellow of the Wilson College and was for some time a lecturer in Physics in that institution. In 1921 he obtained scholarships from the Gimi Trust and the Patel Trust for higher studies in the United States and joined the Pittsburgh University. After receiving his degree in Metallurgical Engineering he got his M.S. degree in Metallurgy for which he submitted a thesis on "Physical properties and micro-structures of Steel Wires of different compositions." This investigation was carried out under the auspices of the Pittsburgh Tool Steel Wire Co. Later on he worked with Dr. S. L. Goodale on Non-metallic Inclusions in Iron and Steel and made an exhaustive investigation of existing metallographic knowledge on the subject. In 1925 he joined the Tata Iron & Steel Co. as a Metallurgical Investigator in the Rolling Mills. He was the first Indian Shift Foreman to be appointed in the Rolling Mills. Mr. Kutar then earned one promotion after another and became successively Assistant Superintendent of the Rolling Mills East in 1930; Superintendent of these Mills in 1933, Assistant General Superintendent (Mills) in 1937, Assistant General Superintendent (General) in 1940 and General Superintendent in 1941. Mr. Kutar was the Vice-President of the Mining Geological and Metallurgical Institute of India during 1942-43.

Outside his technical field Mr. Kutar is a man of varied human interests. He is keenly interested in Classical Indian Music. He was the President of the Allahabad University Music Conference in 1941, the guest of honour at the All-Bengal Music Conference in 1943-44 and the guest-in-chief at the All-India Music Conference in 1945. He was elected the President of the Bihar Cricket Association in 1945.