



**CONSTRUCTION OF MAJOR BRIDGE OVER RIVER GHAGRA NEAR CHALARIGHAT
ON SITAPUR - BAHAICH ROAD ON SH-30, U.P. STATE ROAD PROJECT,
PACKAGE NO. UPSRP/UPG/13 UNDER WORLD BANK LOAN NO. 4684-IN**

This work was allotted by U.P. State Road Project, PWD, World Bank Circle, Lucknow, U.P. on 1st February, 2007. The total Contract Value of this work was Rs. 5042.74 lacs. The work was completed successfully on 12th May, 2013 with Completion Cost Rs. 6317.70 lacs. The salient features of this Project are as under :-

Scope of Work as Executed

- | | | |
|-----------------------------|---|---|
| 1. Total Length of Bridge | : | 847.40 Mtrs. |
| 2. Span Arrangements | : | 2 x 46.10M + 16 x 47.20M |
| 3. Width of Bridge | : | 7.50 M + 2 x 1.55M (Footpath) + 2 x 0.45 M (Crash Barrier) = 11.50 M. |
| 4. Number of Wells | | |
| 11.0 M Dia (Abutment Wells) | : | 2 Nos. |
| 9.0 M Dia Well | : | 1 No. |
| 8.0 M Dia Wells | : | 16 Nos. |
| 5. Sinking Depth | | |
| 11.0 M Dia (Abutment Wells) | : | 2 x 45.1 = 90.2 |
| 9.0 M Dia Well | : | 1 x 54.409 = 54.409 |
| 8.0 M Dia Wells | : | 16 Nos. = 832.102 |
| Total Sinking | : | 976.711 M. |
| 6. Bearing - POT PTFE | : | 72 Nos. |
| Guide Bearing | : | 18 Nos. |
| Pin Bearing | : | 18 Nos. |
| 7. Super - Structure | : | Cast-in-SITU Post Tensioned Pre-Stressed Concrete Girders along with Cast-in-SITU Composite RCC Deck. |
| 8. 2 Lane Bridge with | : | Class 70 R Loading |



9. Strip Seal Type Expansion Joint : 218.50 M
As per MOR & TH Specifications
10. Wearing Coat Over Deck Slab : 410.13 Cum
Asphaltic Concrete 65mm
(40mm + 25mm)
11. Other Details
- i) Pipe Railing & RCC Crash Barrier : 1695.00 R.M.
 - ii) M-25 Concrete in Footpath & Kerb Beam : 760.686 M³
 - iii) M-30 in Well Curb & Well Cap : 3868.735 M³
 - iv) M-30 Concrete in Well Steining : 32473.81 M³
 - v) M-25 PCC in Bottom & Intermediate Plugs : 2993.768 M³
 - vi) M-40 Prestressed CC in Super Structure : 7453.015 M³
 - vii) Standing filling in Well Foundation : 13717.61 M³
 - viii) Cutting Edge in Well Foundation : 70.292 MT
 - ix) Drainage Spot : 216 Nos.

Comments of the Employer's Representative :-

The work has been executed with full background of Engineering requirements & Skills. The Company is well-organized, Technically & Financially sound. It has a large number of Modern Construction Equipment and Machinery and is well capable of handling and executing Construction Works of large Magnitude. The Company Mobilized all required resources viz. manpower, Machinery and Material as per schedule. The Performance, Quality and Workmanship of the Company has been Excellent and has also been appreciated at all levels including the World Bank Team.

Sd.
Executive Engineer