

Ref: VEPL/STPB2/2020-21/001

Date: 15/12/2020

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Prathamesh Project Engineering and Management Consultants, Nagpur have carried out detail engineering design and consultancy for pipeline from Treated water Pumping station at 200 MLD STP at Bhandewadi leading to MAHAGENCO's Koradi and Khaparkheda Thermal Power Station.

Scope of Work included:

- 1) Hydraulic and structural design and drawing including economic pipe diameter, shell thickness, structural design for internal vacuum, overground supports etc for tertiary treated sewage water pipe line: Design flow 9200 m³/Hr, M.S. Spirally welded pipe of 1519.2mm OD, 15.3km & 1015.2mm OD, 2.3km+1.95km in two branched rising mains to Koradi TPS and to Khaparkheda TPS. Including system resistance curves.
- 2) Detail Engineering for Rising Main, appurtenances, chambers, supports, bridges & thrust/anchor blocks; including topographic survey, pipe line bridges for crossings: Nag River (24m) and Pili River (24m), 4 minor crossing of 10m each; Anchor block, Thrust block and valve chambers; Pipeline Push through with MS casing pipes: for 2 National Highway crossing (NH-6 & NH-7) total length 72m and for 5 Railway crossings total length 303m; formulation of procedure & guidance for testing, commissioning & flushing of pipe to get required quality of water; Design of pumps & motor ratings & vetting of vendor Datasheets, curves, GAD, MQP & QAP. Pumps 8 working + 2 standby, 1150 m³/Hr @ 45m head & motor rating 225kW each.

Project Status: The project has been successfully commissioned and we found their work satisfactory.

For Vishvaraj Environment Pvt. Ltd.



Authorised Signatory

Dtd.11 October 2013

TO WHOM SO EVER IT MAY CONCERN

This is to certify that M/S **Prathamesh, Project Engineering & Management Consultants, Nagpur** have carried out detail engineering design work for (1) **Raw water Supply conveyance system** from Jagga Canal to Plant End Earthen Reservoir, (2) **Earthen Reservoir** and (3) **Buffer tank with Over Head Pump House** at Village Banawala, District Mansa, Punjab for 3x660 MW Super Critical Thermal Power Project developed by Talwandi Sabo Power Ltd.

Scope of Work included planning, detail engineering, technical specifications of:

1. Hydraulic and structural design of Raw water earthen reservoir In two parts - gross storage capacity of 4 Million Cubic Meter with 1mm thick HDPE sheet lining, Inlet, outlet and inter connection arrangement. Reservoir complete & tested except inlet, outlet and inter connection arrangement under construction.
2. Hydraulic and structural design of 8000 cum capacity RCC Buffer Tank with Overhead Pump house, VT pumping machinery-3 pumps each of rated discharge of 4000 cum/Hr; electrical system including 11/.433 kV, 2 MVA x 2 No. transformer and Over Head Transmission Line of 630 sqmm Aluminium armoured XLPE(UE) cable 2.6 km in length.
3. Hydraulic and structural design of Raw water Gravity Conveyance Mains - MS Twin parallel pipe of OD 1270 mm 7.1 mm thick of length 4.61 Km each. Successfully commissioned.
4. M/S Prathamesh has come out with innovative and effective solutions for some project specific engineering aspects during the course of execution, as and when asked for.
5. Overall performance of M/S Prathamesh has been qualitative and to our entire satisfaction.

This certificate has been issued at the request of Prathamesh.

For Talwandi Sabo Power Ltd.

**Viral Mehta**

Sr. Vice President (Projects)



**RP - Sanjiv Goenka
Group**
Growing Legacies



Dhariwal Infrastructure Limited

CIN : U70109WB2006PLC111457
E-mail : dhariwalinfrastructure@rpsg.in

Date: 29.08.2023

C E R T I F I C A T E

This is to certify that **M/s Prathamesh Project Engineering and Management Consultants, Nagpur** have successfully and satisfactorily completed the following works in our 2x300 MW Thermal Power Plant at Tadali, Dist. Chandrapur, Maharashtra:

1. Providing Engineering Consultancy Services for Ash Dyke
2. Providing Engineering Services for Ash slurry transportation and Ash water Recovery system

Accordingly, the above WO on M/s Prathamesh Project Engineering and Management Consultants, Nagpur vide our WO No. : DIL-WO-36/11-12 dated 14/05/2011 and WO No. DIL:CD:ME:015 dated 19/07/2011.

Detail scope of work included the following:

- **Planning, Optimization and Designing of Ash ponds-** 2 nos. of Capacity 7.5 Lakh Cum. and 8.30 Lakh cum. respectively.
- Design and Optimization of Ash Dyke section in the proposed area identified by DIL, based on soil investigation report provided to Prathamesh.
- Preparation of Detail construction drawing of Ash Dyke, submission of BOQ based on final design and drawing.
- **Ash water recovery system** included **hydraulic and structural design of Settling Basin**, Detail structural Design of **Decanting/Collection well and Approach Bridge**, providing Desing review and engineering support/guidance till successful commissioning of the project.
- Design of water collection system including the inlet overflow and decanting arrangement.
- Design of 3 nos. VT slurry pumps of 110 kW (2W+1SB), each pump with Duty Discharge of 263 Cum./Hr., 630 kVA capacity Substation, earthing design of substation, interconnection with main plant end substation, internal and external electrification works and other utilities like internal roads, storm drainage etc. complete.
- Design of 323.9 mm OD MS pipe rising mains having wall thickness of 9.52 mm for transportation of Ash Slurry with interconnection at suitable interval and parallel pipe line of the same diameter for recovery water.

The above said job was completed in the year 2014.

This Certificate is issued on **M/s Prathamesh Project Engineering and Management Consultants, Nagpur** request for their submission for business purpose, but they have to adhere with their contractual terms & conditions.

With best regards,

Yours Sincerely,

General Manager

For, Dhariwal Infrastructure Limited





**RP - Sanjiv Goenka
Group**
Growing Legacies

Dhariwal Infrastructure Limited

Ref: DIL/Q/11-12

Date: 01.10.2011

TO WHOM SO EVER IT MAY CONCERN

This is to certify that M/S **Prathamesh, Project Engineering & Management Consultants, Nagpur** have carried out detail engineering design work of Raw water Supply system with Radial well in Wardha River at Wada near Chandrapur in Maharashtra for our 2x300 MW power project at Tadali MIDC Chandrapur.

Scope of Work included:

Hydraulic and structural design of Radial well of ID 9.2 m and OD 12 m by well sinking method. Depth of well below RBL 10 m and height upto motor floor above RBL 17m. Total Height of well 27 m. Over head Pump house made from RCC structures of size 16 mx 12 m x 11.2 m (Lx WxH) . 15 radials of 300 mm dia steel perforated pipe of total length 525 m to be pushed at 7.1 m below RBL.

Qualitative assessment

1. The project is under execution.
2. M/S Prathamesh has come out with innovative and effective solutions for some project specific engineering aspects during the course of execution, as and when asked for.

This certificate has been issued at the request of Prathamesh.

Thanking you,

Yours faithfully,
For **Dhariwal Infrastructure Ltd.**

Basab Ghose



PRATIBHA INDUSTRIES LTD

Universal Majestic, 13th & 14th floor off. Eastern Express Highway, P.L. Lokhande
Marg Ghatkopar, Mankhurd Link Road, Opp. RBK International School
Mumbai-400 088. Maharashtra, INDIA.
Tel: 91 22 6641 4499 Fax: 91 22 6641 4400 E-mail: info@pratibhagroup.com

Ref No: PIL / NTPC-MOUDA / 595/ 11-12

Date: 30/09/2011

TO WHOM SO EVER IT MAY CONCERN

This is to certify that M/S Prathamesh, Project Engineering & Management Consultants, Nagpur have carried out detail engineering design work for Raw water Supply scheme from Kanhan River in Bhandara District Maharashtra for Mauda Super Thermal Power Project 2x500 MW developed by NTPC.

Scope of Work included:

1. Hydraulic and structural design of Intake well of ID14.4 m and OD 19 m. Depth of well below RBL is 16.99 m done by sinking method and height upto motor floor above RBL 15.85m. Total Height of well is 32.84 m. Over head Pump house made from Steel structures of size 17.8 mx 12.9 m x 16.6 m (Lx WxH)
2. Detail Engineering of :
 - a. Approach Bridge on pile foundation with Steel deck of Length 50 m and width 7.5 m and clear height of 4.5 m.
 - b. Circular RCC over head pump house of 19 m inner dia and 19.8 m outer dia of height 17.7 m.
 - c. Switch Gear and battery room of size 25m x 9.8m x 4.5 m and Control of size 10.6 m x 8.8m x 4.5 m with RCC Frame structure.
 - d. River protection work along the river bank.
 - e. Utilities such as internal roads, drainage, sewerage, storm drainage, boundary wall and pipe line structures.

A. Qualitative assessment

1. The project is under execution. Sinking of well has been completed.
2. M/S Prathamesh has come out with innovative and effective solutions for some project specific engineering aspects during the course of execution, as and when asked for.
3. In general the overall performance of M/S Prathamesh has been qualitative and to our entire satisfaction.

This certificate has been issued at the request of Prathamesh.

For Pratibha Industries Ltd.

A.K. Mukherjee
(Vice President)





एनटीपीसी लिमिटेड

(भारत सरकार का उद्यम)

NTPC Limited

(A Govt. of India Enterprise)

मौदा / Mouda

Dtd.30.09.2011

Ref: NTPC MOUDA/PIL/Prathmesh/01

TO WHOM SO EVER IT MAY CONCERN

This is to certify that M/S **Prathamesh, Project Engineering & Management Consultants, Nagpur** have carried out detail engineering design work for Raw water Supply scheme from Kanhan River, Bhandara for Mouda Super Thermal Power Project 2x500 MW, Mouda, district Nagpur, Maharashtra as a consultant of M/s Pratibha Industries Ltd.

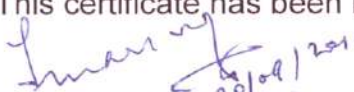
Scope of Work included:

1. Hydraulic and structural design of Intake well of ID 14.4 m and OD 19 m. Depth of well below RBL is 14.70 m done by sinking method and height upto motor floor above RBL 15.85m. Total Height of well is 32.84 m. Over head Pump house made from Steel structures of size 17.8 m x 12.9 m x 16.6 m (Lx WxH)
2. **Detail Engineering of :**
 - a. **Approach Bridge** on pile foundation with Steel deck of Length 50 m and width 7.5 m and clear height of 4.5 m.
 - b. Circular RCC over head pump house of 19 m inner dia and 19.8 m outer dia of height 17.7 m.
 - c. Switch Gear and battery room of size 25m x 9.8m x 4.5 m and Control of size 10.6 m x 8.8m x 4.5 m with RCC Frame structure.
 - d. River protection work along the river bank.
 - e. Utilities such as internal roads, drainage, sewerage, storm drainage, boundary wall and pipe line structures

Qualitative assessment

1. The project is under execution. Sinking of well has been completed.
2. M/S Prathamesh has come out with innovative and effective solutions for some project specific engineering aspects during the course of execution, as and when asked for.
3. In general the overall performance of M/S Prathamesh has been qualitative and to our entire satisfaction.

This certificate has been issued at the request of Prathamesh.


For NTPC Ltd.
S. Chakrabarty
वरिष्ठ प्रबन्धक (निर्माण)
Sr. Manager (Civil)

एन टी पी सी लिमिटेड, मौदा-नागपुर
NTPC Limited, Mouda-Nagpur

मौदा थर्मल पावर प्रोजेक्ट, पी. ओ. मौदा, जिला : नागपुर, मौदा - ४४१ १०४. (महाराष्ट्र)

Mouda Thermal Power Project, P.O. : Mouda, Distt. : Nagpur, Mouda - 441 104. (Maharashtra)

पंजीकृत कार्यालय : एन टी पी सी भवन, स्कोप कॉम्प्लेक्स, 7, इंटरटीयूशनल एरिया, लोधी रोड, नई दिल्ली-110 003 टेली/Tel: 4360100 तार/Cable थर्मपावर/THERMPOWER

Registered Office : **NTPC** Bhawan, SCOPE Complex, 7 Institutional Area, Lodhi Road, New Delhi-110 003 टेलिक्स/Telex:031-74026 NTPC IN फॅक्स/Fax : 011-24361018

MAHARASHTRA JEEVAN PRADHIKARAN

Superintending Engineer (HQ)
2nd Floor,
Cidco Bhavan,
(South wing) Belapur,
Navi Mumbai - 400 614.



Phone : 757 1666 (D)
757 0166
757 0370
757 0003
Fax : 757 0969

No.MJP/1096/Const.List/Part V/860

Date: 17/11/99.

✓ M/s.Prathamesh Project
Engineering & Management Consultants,
127 Laxminagar,
NAGPUR - 440 022.

Sub.: Upgradation of your consultancy firm
from Class 'B' to Class 'A'.

Ref.: Your application letter No.MJP/REG/PRA
10/98 dtd.12/2/98.

Your above application had been considered and
it is to inform that your firm have been upgraded from
Class 'B' to Class 'A' and your name is registered
under Class 'A' (No financial limit) category for the
Consultants for Maharashtra Jeevan Pradhikaran.

Your firm is now eligible to carry out survey,
design and preparation of estimates for all types of
Rural and Urban Water Supply Schemes under Maharashtra
Jeevan Pradhikaran.

Yours faithfully,

P.K. Sonagra
(P.K. SONAGRA)

Superintending Engineer(HQ)

Copy submitted to the Member Secretary(T) MJP,
Mumbai - 21 for favour of information.

Copy submitted to the Regional Chief Engineer,
Thane/Aurangabad/Pune/Nashik/Amravati/Nagpur for favour
of information.

Copy to all Superintending Engineers of M.J.P.
Circles, for information.

22.10.09

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **PRATHAMESH**, Project Engineering and Management Consultants, Nagpur have carried out detail engineering design work for the 36 MLD Raw Water Supply Scheme from River Tel near Kesinga town in District Kalahandi of Orissa for our refinery plant at Lanjigarh.

The work included:

1. Pumping out test in River Tel, detailed hydrological study and analysis for design of Radial collector well.
2. Hydraulic and structural design of Radial collector well of 8m ID & 10m OD; 15.6m sinking below RBL; total Ht 24.8m. 16 radials of 300mm dia steel perforated pipe total length 565m; pushed at 10m below RBL.
3. Detail Engineering of:
 - a Steel approach bridge of 115m length and 3.6m width.
 - b MS rising mains, 700mm NB, total 63.76km; in two stages of 34.86km and 28.9km with maximum field test pressure of 297m and 265m respectively.
 - c Pumping machinery : with 4 VT pumps for head of 187m and 4 HSC pumps for head of 178m; both with duty discharge of 139 LPS.
 - d 33/6.6 kV 1.7MVA x 2 and 1.6MVA x 2 substations including all electrical systems and switchgear for pumping machinery.
 - e Intermediate RCC sump of 3000 cubic meter capacity.
 - f Plant end earthen reservoir with HDPE film and CC lined; of capacity 210 Million Litres.
 - g Utilities such as staff quarters; roads; illumination; electrification; drainage and ventilation for the structures and areas of the water supply system.

Qualitative assessment:

1. The project has been completed & commissioned in May 2006 and is functioning satisfactorily.
2. Prathamesh has come out with innovative and effective solutions for some project specific engineering aspects.
3. In general, their overall performance has been qualitative and to our entire satisfaction.

This certificate has been issued at the request of Prathamesh.

For Vedanta Alumina Ltd.



(A K Samal)

Sr. Vice President-Commercial



एनटीपीसी लिमिटेड

(भारत सरकार का उद्यम)

NTPC Limited

(A Govt. of India Enterprise)

मौदा / Mouda

Dtd.30.09.2011

Ref: NTPC MOUDA/PIL/Prathmesh/01

TO WHOM SO EVER IT MAY CONCERN

This is to certify that M/S **Prathamesh, Project Engineering & Management Consultants, Nagpur** have carried out detail engineering design work for Raw water Supply scheme from Kanhan River, Bhandara for Mouda Super Thermal Power Project 2x500 MW, Mouda, district Nagpur, Maharashtra as a consultant of M/s Pratibha Industries Ltd.

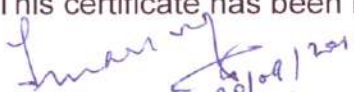
Scope of Work included:

1. Hydraulic and structural design of Intake well of ID 14.4 m and OD 19 m. Depth of well below RBL is 14.70 m done by sinking method and height upto motor floor above RBL 15.85m. Total Height of well is 32.84 m. Over head Pump house made from Steel structures of size 17.8 m x 12.9 m x 16.6 m (Lx WxH)
2. **Detail Engineering of :**
 - a. **Approach Bridge** on pile foundation with Steel deck of Length 50 m and width 7.5 m and clear height of 4.5 m.
 - b. Circular RCC over head pump house of 19 m inner dia and 19.8 m outer dia of height 17.7 m.
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 - d. River protection work along the river bank.
 - e. Utilities such as internal roads, drainage, sewerage, storm drainage, boundary wall and pipe line structures

Qualitative assessment

1. The project is under execution. Sinking of well has been completed.
2. M/S Prathamesh has come out with innovative and effective solutions for some project specific engineering aspects during the course of execution, as and when asked for.
3. In general the overall performance of M/S Prathamesh has been qualitative and to our entire satisfaction.

This certificate has been issued at the request of Prathamesh.


For NTPC Ltd.
S. Chakrabarty
वरिष्ठ प्रबन्धक (निर्माण)
Sr. Manager (Civil)

एन टी पी सी लिमिटेड, मौदा-नागपुर
NTPC Limited, Mouda-Nagpur

मौदा थर्मल पावर प्रोजेक्ट, पी. ओ. मौदा, जिला : नागपुर, मौदा - ४४१ १०४. (महाराष्ट्र)

Mouda Thermal Power Project, P.O. : Mouda, Distt. : Nagpur, Mouda - 441 104. (Maharashtra)

पंजीकृत कार्यालय : एन टी पी सी भवन, स्कोप कॉम्प्लेक्स, 7, इंस्टीट्यूशनल एरिया, लोधी रोड, नई दिल्ली-110 003 टेली/Tel: 4360100 तार/Cable थर्मपावर/THERMPOWER

Registered Office : **NTPC** Bhawan, SCOPE Complex, 7 Institutional Area, Lodhi Road, New Delhi-110 003 टेलिक्स/Telex:031-74026 NTPC IN फॅक्स/Fax : 011-24361018

Ref: DIL/Q/11-12

Date: 01.10.2011

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **M/S Prathamesh, Project Engineering & Management Consultants, Nagpur** have carried out detail engineering design work of Raw water Supply system with Radial well in Wardha River at Wada near Chandrapur in Maharashtra for our 2x300 MW power project at Tadali MIDC Chandrapur.

Scope of Work included:

Hydraulic and structural design of Radial well of ID 9.2 m and OD 12 m by well sinking method. Depth of well below RBL 10 m and height upto motor floor above RBL 17m. Total Height of well 27 m. Over head Pump house made from RCC structures of size 16 m x 12 m x 11.2 m (Lx WxH) . 15 radials of 300 mm dia steel perforated pipe of total length 525 m to be pushed at 7.1 m below RBL.

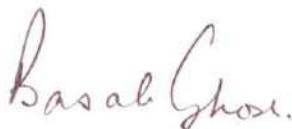
Qualitative assessment

1. The project is under execution.
2. M/S Prathamesh has come out with innovative and effective solutions for some project specific engineering aspects during the course of execution, as and when asked for.

This certificate has been issued at the request of Prathamesh.

Thanking you,

Yours faithfully,
For **Dhariwal Infrastructure Ltd.**



Basab Ghose



IVRCL Infrastructures & Projects Ltd.

Date: 13th June'2007

TO WHOMSOEVER IT MAY CONCERN

This is to certify that M/s PRATHAMESH, Project Engineering and Management Consultants, Nagpur, have worked as design consultants for us for the Civil, Mechanical and Electrical works of "Koisagar Lift Irrigation Scheme Stage-II for lifting 630 Cusecs of water from Pardipur Balancing Tank for irrigating additional ayacut of 38,250 acres".

The main components of the project are as mentioned below:

1. Approach Channel from foreshore of Pardipur Balancing Tank to Stage-II pumping station – about 4.9 km long.
2. Pressure tunnel – 4m dia about 3 km long.
3. Surge pool, draft tube and pump house and two floor annexes; for installing 2 no. Francis Turbine pumps for lifting 8.92 m³/sec against 58m head with 7.5MW 11 KV synchronous motors.
4. Pumps and pumping station for Koilsagar Lift Irrigation Scheme Stage-II for lifting 630 Cusecs of water against 58m head and 11KV electrical system.
5. 2m diameter MS pressure mains from each pump.
6. Delivery cistern.
7. About 14.5km main gravity canal with ancillary works– to carry 630 cusecs flow.
8. 132 KV/11 KV sub-station near pump house and DC HT OH feeder lines of 132 KV.


Authorized Signatory

Regd. Office : M-22/3RT, Vijayanagar Colony, Hyderabad - 500 057, A.P. India.
Tel. : 91-40-23343678/23343550/23348467/23345130. Fax : 91-40-2334 5004. Grams : "VENCON"
e-mail: info@ivrinfra.com, website : www.ivrcl.com

Corporate Office : 8-2-596, IVRCL Towers, Road No. 10,
Banjara Hills, Hyderabad - 500 034, A. P. India.
Tel : 91-40-2335 2961 / 2335 2962 / 2335 2963, Fax : 91-40-2335 4482.

Q M S , E M S & O H S A S C e r t i f i e d C o m p a n y





Maharashtra Jeevan Pradhikaran

Superintending Engineer
Amravati Circle,
Maltekdi, Amravati - 444 601

Office - 663235
664562
Direct - 661873
Fax - 0721 - 663332

To Whom So Ever It May Concern

1367
23-6-2000

This is to certify that **PRATHAMESH ; Project Engineering & Management Consultants Nagpur**, have carried out the following works

Assisting in tendering process for "Combined Water Supply Scheme for 156 villages and Anjangaon & Daryapur towns in Taluka Anjangaon, Daryapur, Bhatkuli & District Amravati". Scope of work included the following :

1) Formulation & preparation of :

- Brief note for intending tenderers, & 'detailed form of application for pre-qualification,' including customized formats for submission of all required information by the intending tenderers.
- Preparation of Hydraulic designs of Principle Transmission Mains up to MBR (104 Km) & leading mains from MBR to ESR's (318 Km) and evaluating alternatives of CI only, DI only and optimum combination of CI & DI for arriving at least cost solution for the entire system.
- Detailed terms and conditions for specific application to this project.
- Preparation of detailed working estimate, evaluated cost, bill of quantities, detailed itemwise specification, detailed specification, details not included in the standard specifications of MJP / B & C.
- Assisting in pre-bid meeting and formulation of draft CSP.
- Assisting in tender opening and preparation of comparative statement of bids by contractors.
- Assisting in preparation of documents for submission to tender committee.
- Obtaining approvals for all above process and documents from appropriate authority.

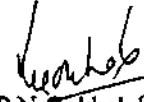
2. Estimated cost of Project was **Rs. 181 Crores.**

3. The work was completed in all respects within time and as per schedule.

The output and the approach for these works, as reflected in the work they have submitted and performed is definitely extra ordinary.

With the works carried out by them, as far as the Consultancy and related work, it is experienced that **PRATHAMESH ; Project Engineering & Management Consultants Nagpur ;** have put in maximum efforts to give the best results for whatever they have been called for to do.

We wish them well in all their future endeavors.


P.N. Gokhale 23/6/2000
Superintending Engineer
Amravati Circle

Original forwarded with best compliments :

To,
M/s PRATHAMESH
Project Engineering & Management Consultants,
28 Friends Colony, West of R.P.T.S
Jagdish Nagar Nagpur - 440 022

LIMCA

Book of Records

National Record

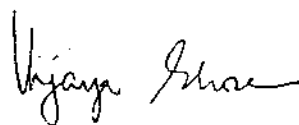
Maharashtra Jeevan Pradhikaran (MJP), Amravati and **Nagarjuna Construction Company Ltd** designed and executed the largest regional scheme to supply pure drinking water right to the consumer's tap, with the help of gravity alone, wherein no electricity or pumps are required. From October 2004, the scheme benefits 156 villages and 2 towns totalling 42,5000 souls, over an area of 3200 sq km.



Sanjiv Gupta
President and C.E.O.
Coca-Cola India



Sunil Gupta
Vice President
Public Affairs & Communications
Coca-Cola India



Vijaya Ghose
Editor
Limca Book of Records



German Development Cooperation

German Technical Cooperation

**GTZ-Coordination Office
Integrated Slum Development Nagpur**

c/o Nagpur Municipal Corporation
Mahanagarpalika Marg
Civil Lines
Nagpur 440001, India

Tel: 0091-712-524002
Fax: 0091-712-524002

e-mail: gtznag@nagpur.dot.net.in

CERTIFICATE

To Whom It May Concern: This is to certify that **M/S PRATHAMESH**, Project Engineering Management Consultants, Nagpur, have carried out various consultancy assignments for Integrated Slum Development Nagpur entrusted by GTZ (Deutsche Gesellschaft fuer Technische Zusammenarbeit), German Agency for Technical Co-operation.

SCOPE OF WORKS:

The project supports an integrated development approach for the improvement of living conditions in slum areas of Nagpur by convergence of various local initiatives, national and regional programmes in the fields of urban environment, social and technical infrastructure, poverty alleviation, education and health. The project purpose of the Indo-German Co-operation is "to render NMC capable to co-ordinate the planning and implementation of sustainable slum improvement measures on its own", thereby strengthening the capacities of Local Self Government in Nagpur.

The assignment included detail engineering and project proposal reports for technical infrastructure such as: **Roads, Water Supply, Sewerage, Storm Drainage, Electrical system, Solid waste collection and disposal** and involved :

- Detail engineering survey and field data generation,
- Topographic mapping,
- Community consultations,
- Detail Engineering analysis, design and cost estimation,
- Preparation of detail technical proposals and drawings,
- Technical specifications,
- Bid Evaluation and recommendation.
- On ad-hoc basis, as and when called for: assessment, designs, optimisation and detailing of various technical infrastructure components, including corrective measures, in works under execution.

M/S Prathamesh, have completed such assignments covering a present population of about 17000 souls.

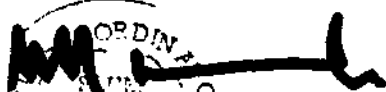
QUALITATIVE EVALUATION:

The quality of requested outputs met the expected standards. Not only the GTZ Co-ordination Office for Integrated Slum Development Nagpur, but also the Partner Institution i.e. the Slum Co-ordination Cell of NMC appreciated the expertise brought into the process by the consultants. Services for above assignments have been rendered to our full satisfaction.

We appreciate especially the readiness and capability of M/S Prathamesh to comply to frequent request from the project to advise on ad-hoc situation on various bottlenecks which occur in the course of the planning process and ongoing work-execution. The willingness and capability to co-ordinate with other disciplines e.g. social sciences is a further plus-point worth mentioning.

We would like to highlight also the skills shown by the consultants in interacting with the communities in the slum areas. This applies to survey work, plan formulation and monitoring of development works. We rate the consultants as one of the best organisations in the field of engineering that has worked for the project so far. We wish to continue our co-operation also on a long term basis, subject to the continuation of the project and the future plan of operation.

Date : 29th November 2001


Ulf Wernicke
GTZ Coordinator
Integrated Slum Development Nagpur





German Development Cooperation

German Technical Cooperation

GTZ-Coordination Office
Integrated Slum Development Nagpur

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30.06.2003

CERTIFICATE

To whom it may concern

This is to certify that **M/S PRATHAMESH, Project Engineering & Management Consultants, Nagpur**, have carried out various consultancy assignments for Integrated Slum Development Nagpur entrusted by GTZ (Deutsche Gesellschaft fuer Technische Zusammenarbeit), German Agency for Technical Co-operation.

SCOPE OF WORKS:

The project has supported an integrated development approach for the improvement of living conditions in slum areas of Nagpur by convergence of various local initiatives, national and regional programmes in the fields of urban environment, social and technical infrastructure, poverty alleviation, education and health. The project purpose of the Indo-German Co-operation has been "to render Nagpur Municipal Corporation capable to co-ordinate the planning and implementation of sustainable slum improvement measures on its own", thereby strengthening the capacities of Local Self-Government in Nagpur.

The assignments of **M/S Prathamesh** included detail engineering, project proposal reports, project management, and quality assurance for technical infrastructure such as: Roads, Water Supply, Sewerage, Storm Drainage, Electrical system, Solid waste collection and disposal and involved:

- Detailed engineering survey and field data generation,
- Topographic mapping,
- Community consultations,
- Detailed Engineering analysis, design and cost estimation,
- Preparation of detailed technical proposals and drawings,
- Technical specifications,
- Bid Evaluation and recommendation.
- On ad-hoc basis, as and when called for: assessment, designs, optimisation and detailing of various technical infrastructure components, including corrective measures, in slum development works under execution.

M/S Prathamesh have completed such assignments for 38 slums, covering an area of about 156 ha with an estimated population of about 100,000 souls and a costs of Rs. 116 Million.

M/S Prathamesh, have also successfully completed hands on training to the technical staff of the slum Co-ordination Cell of the NMC, on all aspects of planning, design, execution, operation and maintenance of the above technical infrastructure. The training sessions continued over a period of three months.

QUALITATIVE EVALUATION:

The quality of working results not only exceeded our expectations, it also established standards against which similar works of other consultants were assessed. The expertise of M/S Prathamesh has been highly appreciated by our office. All services have been rendered not only to our full satisfaction, but also to that of our partners from the Slum Co-ordination Cell of NMC.

All technical solutions and design proposals presented even for difficult field situations were based on conscientious work and solid engineering skills. Careful monitoring of construction works in the framework of slum development funded by the National Slum Development Programme (NSDP) has considerably contributed to increase the quality of works and the capabilities of NMC engineers.

We appreciate especially the readiness of the highly professional management to comply with frequent requests request from our office to advise on ad-hoc situations on various bottlenecks which occurred in the course of the planning process and ongoing execution of construction works. The willingness and capability to co-ordinate with other disciplines, departments and stakeholders is a further bonus point. In addition we would also like to highlight the sensitivity shown by the consultants in interacting with the slum communities which has been a valuable support to our approach of community participation.

We rate M/S Prathamesh one of the best engineering consultants in the field of surveying and mapping, detailed planning and supervision of civil engineering with a wide range of capabilities. Unfortunately our project comes to an end so that for the time being we cannot continue our productive and successful co-operation. Nevertheless, we do hope that in the future opportunities will arise for further collaboration or work with German funded programmes in India. We highly recommend Prathamesh, Project Engineering & Management Consultants, Nagpur, for such co-operation.

Heard. Sciled
Hans G. Schmid
Acting GTZ Co-ordinator
Integrated Slum Development Nagpur

