



Bhagyanagar Gas Ltd.
BHAGYANAGAR GAS
LIMITED

**HIRING OF CONTRACTOR FOR EXECUTION OF LEVELLING
AND ASSOCIATED CIVIL WORKS AT KONDAPALLY STORE
YARD, VIJAYAWADA**

VOLUME
II OF II

Bid Document No. BGL/655/2025-26



**BHAGYANAGAR GAS LIMITED
(A JOINT VENTURE OF HPCL & GAIL)**

BID DOCUMENT FOR

**HIRING OF CONTRACTOR FOR EXECUTION OF LEVELLING AND ASSOCIATED
CIVIL WORKS AT KONDAPALLY STORE YARD, VIJAYAWADA**

UNDER OPEN DOMESTIC COMPETITIVE BIDDING

Bid Document No. BGL/655/2025-26

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SECTION 8 : SCOPE OF WORK



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Scope of Work for Bhagyanagar Gas Limited Store Levelling and Civil Associated Works

Project Background:

Bhagyanagar Gas Limited has a store at Kondapally, Vijayawada, which is at a lower level compared to the existing service road. This causes water accumulation during the rainy season, leading to material damage. To address this issue, the existing surface of the store will be levelled to match the natural ground level in line with the service road.

1. Scope of Work :

- Earthwork and Levelling (Phase 1)
- Cutting and removing unwanted vegetation, including shrubs, small trees, and undergrowth, within the designated area.
- Manual or mechanical clearing of debris and obstacles to prepare the site for executing the works.
- Proper collection and disposal of cleared vegetation and debris to maintain a clean worksite.
- Contractor to arrange and take the natural ground levels jointly with the BGL representative.
- Excavation and removal of unsuitable soil, if required, to ensure a stable foundation for filling.
- Supply and transportation of local earth (including royalty) from an approved source within a lead of 5 km.
- Filling and spreading the earth in layers not exceeding 20 cm thickness and watering using tankers for compacting to achieve proper density.
- Compacting density should be more than 90% as per LS code.
- Final levelling of the area to match the required levels and slopes.
- Material Shifting
- Once a portion of the area is levelled, shifting of existing materials, such as pipes and other stored items, to the newly levelled area.
- Proper stacking and arrangement of materials to ensure safety and accessibility.
- Ensuring that material handling is done carefully to avoid any damage.



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- Earthwork and Levelling (Phase 2 - Low-Lying Areas)
- After shifting the materials, carrying out levelling and filling in the remaining low-lying areas.
- Compacting and dressing the surface to achieve uniformity and stability.
- Ensuring the final levelled surface aligns with the service road height.
- Drainage Work
- Excavation of trench for pipeline laying as per approved alignment and depth to connect with the drain.
- Supply and transportation of Reinforced Cement Concrete (RCC) NP2 class pipes of 300mm internal diameter.
- Preparation of bedding using appropriate granular material to provide a stable base and concrete with M15 about 200mm on side and bed.
- Proper alignment and jointing of RCC pipes using cement mortar.
- Backfilling the excavated area with suitable soil and compacting it to restore the surface.
- Conformance to IS 458 or relevant standards to ensure longevity and performance.
- Existing Gate Dismantling
- Carefully dismantling the existing gate, ensuring minimal damage to surrounding structures.
- Removing supports, frames, and hinges safely.
- Transporting dismantled materials to a designated storage or disposal area.
- Constructing Brick Masonry in Place of Existing Gate
- Constructing a brick masonry wall in the area where the gate is removed.
- Using class designation 7.5 bricks and mortar to ensure structural integrity.
- Proper curing and finishing to match the existing boundary wall.
- Repair Work of Boundary wall
- Identifying and repairing minor cracks, dents, and surface imperfections in existing plastered surfaces.



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- **Surface preparation by removing loose plaster and dust to ensure adhesion.**
- Application of appropriate patching material or fresh plaster (Cement Mortar 1:6) to restore the surface.
- Ensuring a smooth and even finish that blends with the surrounding area.
- Boundary Wall Finishing and Painting
- Surface preparation by cleaning, removing loose particles, and ensuring a smooth base.
- **Application of an acrylic smooth exterior paint system:**
 - Applying a priming coat of exterior primer @ 2.20 kg/10 sqm.
 - Applying two or more coats of acrylic paint @ 1.67 ltr/10 sqm for a durable and aesthetically pleasing finish.
- Painting of Metal Structures (Y-Posts and Gate)
- **Y-Angle Post Painting:**
 - Surface preparation by cleaning, scraping, and removing rust.
 - Application of a coat of red oxide zinc primer to prevent rusting.
 - Application of two or more coats of synthetic enamel paint of approved quality and shade to ensure a smooth and durable finish.
- **Old Gate Painting:**
 - Surface preparation by scrapping, wire brushing, and sandpapering to remove loose paint, dust, and rust.
 - Touch up the bare surface with red oxide zinc primer.
 - Application of one or two coats of synthetic enamel paint over a coat of primer (if required) for a fresh, uniform finish.
 - Work to be executed as per specifications and under the supervision of the Engineer-in-Charge.
- Installation of Barbed Wire Fencing
- Fixing binding wire horizontally and diagonally to the Y-posts installed on the existing boundary wall using GI binding wire to secure the structure.



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- Stretching and securing barbed wire in three horizontal rows on each side, including diagonal cross-support for added stability.
- Ensuring proper tensioning and fastening of barbed wire to prevent sagging.
- Conforming to IS 278:2009 for 12-gauge (2.5 mm diameter) barbed wire with GSM 290 for strength and durability.

2. Measurement & Payment

- Earthwork including Vegetation clearing: Measured in cubic meters (cum) based on the actual quantity of excavation and filling.
- Wall finishing: Measured in LS based on the area covered. (Included in overall cost of the Project)
- Painting: Measured in square meters (sqm) based on the area covered.
- Fencing: Measured in running meters (RM) based on the total installed length.
- Drainage pipes: Measured in meters (m) based on the length of installed pipes.
- Gate Dismantling and shifting: Measured in LS
- Constructing Brick Masonry in Place of Existing Gate- Measured in cubic meters (cum)
- Payment will be made as per the agreed contract rates upon verification and approval by the Engineer-in-Charge.
- 4. Quality Assurance & Inspection
- All work will be carried out in compliance with relevant IS codes, CPWD specifications, and industry best practices.
- Regular inspections will be conducted to monitor progress and ensure quality control.
- Proper supervision at every stage to meet safety, performance, and durability standards.
- Final levels of the area have to be taken by the contractor jointly with the BGL representative.
- Final inspection and approval by the Engineer-in-Charge before project completion.
- Contractor has to arrange all the required materials, Manpower, Tools & tackles, machinery etc. required for performing the works.
- *Prospective bidders are advised to visit the site before bidding and familiarize with the existing conditions understand the entire scope of work and the quantum of efforts and*



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the works intended. However, if a bidder fails to visit the site, it will be construed and deemed that they have visited the site and will not entertain any extra works.

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SECTION-9 SPECIAL CONTRACT CONDITIONS



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SPECIAL CONDITIONS OF THE CONTRACT (SCC)

The following Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the General Conditions of the Contract.

1.0 PRICE REDUCTION SCHEDULE (PRS)-AS PER GCC

2.0 PAYMENT TERMS

1. 90 % payment release upon completion and acceptance of work in all aspects by EIC and submission of all documentation
2. 10 % payment release upon closure of contract and submission of final Bill.

3.0 CONTRACT PERFORMANCE BANK GUARANTEE

The successful bidder shall furnish the Contract Performance Bank Guarantee (CPBG) equivalent to 10 (Ten) % of the total order value exclusive of taxes & duties within a period of 30 Days from the date of issue of LOI/ Purchase Order. The CPBG should be kept valid for 90 days beyond the defect liability period. The claim period shall be 30 days more than the validity of the CPBG.

4.0 DEFECTIVE LIABILITY PERIOD:

01 year from the date of completion of work.

5.0 CONTRACT VALIDITY AND MOBILISATION PERIOD:

1. Mobilization period- Within 15 days from the date of FOA
2. The Contract shall be valid for a period of 06 (SIX) months from the date of issuance of LOI/FOA. However, all miscellaneous works (Except Earth work) shall be completed within the 45 days from the date of FOA.



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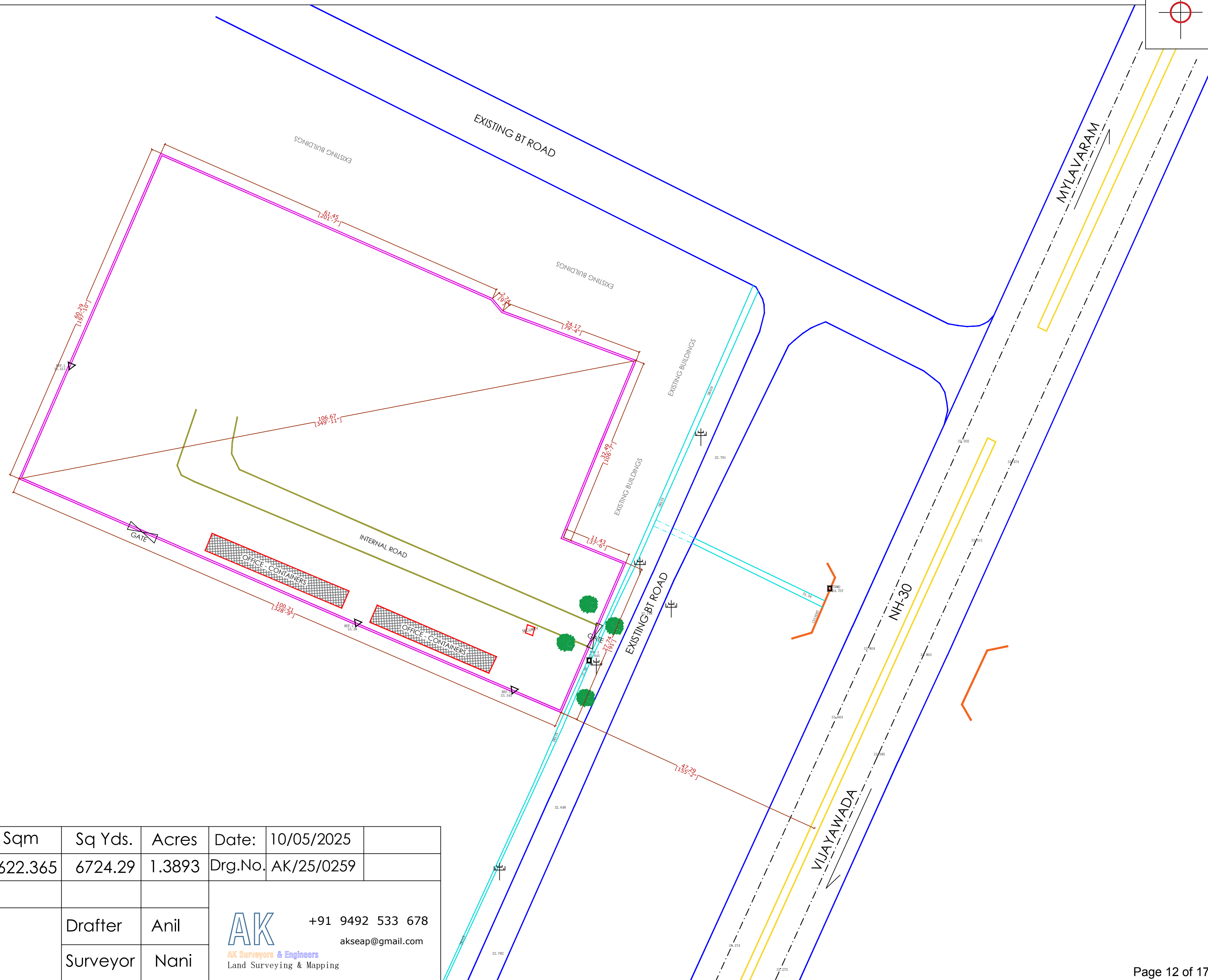
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SECTION : 10 DRAWINGS





Legend:		Total Area	Sqm	Sq Yds.	Acres	Date:	10/05/2025
Boundary/Wall -			5622.365	6724.29	1.3893	Drg.No.	AK/25/0259
Existing Road -							
Drain							
Existing Building							
Electric Pole -							
Containers				Drafter	Anil		
Pond -							
Tree -							
Ref.Level				Surveyor	Nani		



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SECTION 11: SCHEDULE OF RATES



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SCHEDULE OF RATES

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**Subject: HIRING OF CONTRACTOR FOR EXECUTION OF LEVELLING AND ASSOCIATED CIVIL WORKS AT KONDAPALLY
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NAME OF THE BIDDER					
Sl.No	Description of item	Qty	UoM	Rate	Amount
1	Supplying, filling and spreading/grading of suitable local earth (including royalty) by mechanical transport upto a lead of 5km also including spreading to the required level, compacting with road rollers and watering of the earth in layers not exceeding 20 cm. scope also includes Cutting, removing, and disposing of unwanted vegetation, including shrubs, small trees, and undergrowth, to clear the designated area. Includes manual or mechanical clearing, collection, and proper disposal of debris while ensuring minimal disturbance to the surrounding environment. also includes clearing the bushes and small trees etc., on back side of the boundary wall to access for repair of plaster, painting and other works etc.	5130.55	m3		
	Earth work in filling from NGL to 33.225 level (as per survey report) Calculations are done assuming average level as 33.225				
	Earth work in filling from 33.225 to average 33.4 level				

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	200 mm road top level above the FGL				
2	Finishing walls with Acrylic Smooth exterior paint of Asian/Burger/Kansai Nerolac/Birla Opus make of required shades on old existing plastered boundary wall: New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm)	2096.15	m2		
3	Barbed wire Fencing on angle iron post placed at 3m distance installed on the boundary wall, provided with horizontal lines and two diagonals interwoven with horizontal wires, of barbed wire weighing 9.38 kg per 100 m (minimum), between the two posts fitted and fixed with G.I. staples, turn buckles etc. complete. (Posts, struts, earth work and concrete work not included scope). Payment to be made per metre cost of total length of barbed wire installed	3392.00	m		
4	Supplying, transporting, and laying Reinforced Cement Concrete (RCC) NP2 class pipe of 300mm internal diameter for drainage or sewer works. Includes excavation, bedding preparation, pipe jointing with cement mortar, proper alignment, testing for leakage, and backfilling as required. Conforms to IS 458 or relevant standards.	50.00	m		
5	Supplying and applying two or more coats of synthetic enamel paint of approved quality and shade over a primer coat on Y-angle posts embedded on the boundary wall. Includes surface preparation by cleaning, scraping, removing rust, applying one coat of anti-corrosive primer (Red oxide zinc), and ensuring a smooth, uniform, and durable finish.	106.00	No's		

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6	Painting on an existing painted surface of an old gate, including surface preparation by scrapping, wire brushing, and sandpapering to remove loose paint, dust, and rust. Applying one/two coats of synthetic enamel paint over a coat of primer (if required) to achieve a smooth and uniform finish, complete as per the specifications and direction of the Engineer-in-Charge	1.00	LS		
7	Shifting of the inventory material to the levelled Surface to enable filling and grading works	1.00	LS		
8	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation, plinth and Boundary wall in Cement mortar 1:6 (1 cement : 6 coarse sand)	3.12	m3		
	12 mm cement plaster on boundary wall of mix - 1:6 (1 cement: 6 coarse sand) (Incl curing)	12.00	m2		
9	18 mm cement plaster on boundary wall in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:6 (1 cement : 6 fine sand). (Incl curing)	12.00	m2		
10	Dismantling steel gate	1.00	LS		

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11	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including curing, disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge. With cement mortar 1:4 (1cement: 4 coarse sand)	100.00	M2		
	Scattered repairs on the wall				
Sub total Rs.					
GST@18% (B) Rs.					
Total (A+B) Rs.					