



BUREAU OF INDIAN STANDARDS
भारतीय मानक ब्यूरो

Southern Regional Office

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Ref: SRO/Admn/WMG

01 July 2022

NOTICE INVITING BID

Bureau of Indian Standards, Southern Regional Office, a Statutory Body functioning under the Ministry of Consumers Affairs and Food & public Distribution Government of India; located at above-mentioned address; invites electronic mode of bid through CPP portal for providing “Civil Construction work- Widening of Main Gate” at BIS SRO main building as detailed below. Bid received after stipulated time and date shall not be considered.

Sl.no.	Item	Description
1	Name of Work	Civil Construction work- Widening of Main Gate
2	Site of Work	BIS SRO Main Building
3	Duration of work	60 days (Maximum)
4	Performance Security	5 % of the project cost.
5	EMD	Rs.40000.00 (Rs. Forty Thousand only)
6	Last Date for submission of bid	18 th July 2022 at 15.00 hrs
7	Date and time of opening of bid	19 th July 2022 at 15.30 hrs

The Bureau reserves the right to accept / reject any of the bid (s) without assigning any reason whatsoever and shall be final and binding:

**DEPUTY DIRECTOR
(ADMINISTRATION & FINANCE)
BIS-SRO, Chennai**

TERMS & CONDITIONS

1. Bid will be received through CPP portal, however the sealed bid envelope super-scribing “Civil Construction work- Widening of Main Gate” shall also be delivered to the Deputy Director (Administration & Finance), Bureau of Indian Standards, either hand delivery or post or courier, on or before stipulated date and time.
2. No alteration and addition in anywhere in the bid document are permitted. If any of these are found, the bid document will be summarily rejected.
3. The bidder shall submit the bid legibly in English only and attach copies wherever required.
4. The bid will be valid for a period of 90 days from the date of opening of bid.
5. Bidder shall not revoke his bid or vary its terms and conditions without the consent of the Bureau during the validity period of the bid.
6. The bidder has to deposit an amount of Rs. 40000.00 (Rupees Fourty thousand only) towards EMD to participate in bid. Bid document without EMD amount will not be consider. The amount should be deposited through electronic mode only and no other mode will be accepted.
 - a) EMD remittance details
 - Name of the account : Bureau of Indian Standards
 - Account No : 3063667866
 - Name of the bank : Central Bank of India
 - IFSC Code : CBIN0281293
7. The successful bidder shall be required to pay **Performance Security amount of 5% of the Bid value on or before ten days on receipt of the placing the work order** on, else the order will be placed to the next successful bidder.
8. The bidder is expected to work out his rates keeping in view the prevalent rates in the market.
9. The bidder shall quote the financial bid in this specified page only (**Annexure VI**). In case of not quoting the rates in the financial bid the bid shall be rejected.
10. Bid received after specified date and time shall not be considered and the bid document will be returned to the bidder.
11. In the event that the specified date for the submission of bid offers is a declared holiday the offers will be received up to the appointed time on the next working day.

12. The bidder may withdraw its offer after its submission provided that written notice of withdrawal is received by the Bureau prior to the closing date and time prescribed for submission of offer.
13. Bid Notice and the General terms and Conditions shall form the part of the Contract.
14. The bidding agency shall visit the site of for the proposed work “Civil Construction work- Widening of Main Gate” at BIS-SRO premises on any working days between 10.00 AM to 5.00 PM for assessing their bidding amount.
15. The Bureau reserves the right to suitably increase/reduce the scope of the work put to this Bid.
16. It will be obligatory on the part of the tenderer to tender for and sign the tender documents for all the component parts. The department reserves right to accept tender in full or in part.
17. Bidder, after visiting the site, find any discrepancies, omissions, ambiguities or conflicts in or among the contract document, or to be in doubt as to their meaning, he shall bring the questions to our attention, not later than seven days before the last date for submission of the bid.

Qualifying Criteria.

1. CPWD Contractor as per the valid CPWD Enlistment Office order.
2. TNPWD contractor as per the valid TNPWD Enlistment Office order.
3. Should enclose an Affidavit of „non-black listing“ by CPWD/State/Central/departments/PSU/Autonomous bodies as per Form “J” (Annexure-XXX)
4. Licenses/Registrations or proof of applying for labour licenses, registration with EPFO, ESIC & BOCW Welfare Board.
5. Deceleration by the bidder that; is not under liquidation, court receivership or similar proceeding.
6. GST registration Certificate of the state in which the work is to be taken up, if already obtained by the bidder. If the bidder has not obtained GST registration in the state in which the work is to be taken up, or as required by GST authorities, then in such a case the bidder shall scan and upload following undertaking along with other bid document **"If work is awarded to me, I/we shall obtain GST registration certificate as applicable, within one month from the date of receipt of award letter or before release of any payment by BIS, whichever is earlier, failing which I/We shall be responsible for any delay in payments which will be due towards me/us on a/c of the work executed and /or for any action taken by BIS or GST department in this regard.**

Annexure-III					
Scope of Work					
SCHEDULE OF QUANTITY					
Name of work : Civil Construction work- Widening of Main Gate at BIS Southern Regional Office Building, CIT Campus, Taramani, Chennai.					
SL No	Description of Items	Qty	Unit	Rate	Amount
a)	Dismantling the existing brick column, rusted steel gate				
1	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	9.00	Cum		
2	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
	In cement mortar	4.50	Cum		
3	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :				
	Of area beyond 3 sq. metres	2.00	each		
b)	Construction of RCC Column				
4	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m.				
	All kinds of soil	112.00	Sqm		
5	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
	All kinds of soil.	52	Cum		

6	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including solidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :				
	All kinds of soil.				
	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	32.00	Metre		
7	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	42.00	Cum		
8	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
	Thermo-Mechanically Treated bars of grade Fe-500D or more.	4182.00	Kg		
9	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
	1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size).	12.00	Cum		
10	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :				
	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III): 3 graded stone aggregate 20 mm nominal size)	19.00	Cum		
11	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :				
	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III): 3 graded stone aggregate 20 mm nominal size)	6.80	Cum		

12	Centering and shuttering including strutting, propping etc. and removal of form for :				
	Foundations, footings, bases of columns, etc. for mass concrete	22.00	Sqm		
13	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	32.00	Sqm		
14	Columns, Pillars, Piers, Abutments, Posts and Struts	12.00	Sqm		
15	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
	Cement mortar 1:6 (1 cement : 6 coarse sand)	2.50	Cum		
16	20 mm cement plaster of Mix: 1:6 (1 cement: 6 fine sand)	28.00	Sqm		
17	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 disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.				
	With cement mortar 1:4 (1 cement : 4 fine sand)	8	Sqm		
a	Pavement of RCC Slab over the drain				
18	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	5.50	Cum		
b)	Supplying and Fixing of Main Gate (MS)				
19	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	1054	Kg		
20	providing and fixing PVC pipe of pressure 10kg/sqcm pressure conforming to complete as per direction of engineer in charge				
	160mm dia PVC pipe	30	Metre		
c	Finishing work				

21	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
	Two or more coats on new work	36	Sqm		
22	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	42	Sqm		
23	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	42	Sqm		
24	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade :				
	Two or more coats on new work	42	Sqm		
25	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50m initial lead, for all leads including all lifts involved.	18	Cum		
d	Paving the space between the gate and the existing cement concrete pavement.				
26	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
	Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	15.50	Cum		
	Providing and laying C.C. pavement of mix M-25 with ready mixed concrete from batching plant. The ready mixed concrete shall be laid and finished with screed board vibrator , vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer-incharge. (The pane	18.00	cum		
27	Total			Rs.	
	Say Rs.			Rs.	

GENERAL CONDITIONS OF WORK

1. It shall be the responsibility of the successful bidder to maintain the security / watch and ward of the buildings to dismantled if any, after taking over of the buildings and the BIS is not responsible for any loss of any materials from the site.
2. The successful bidder shall be responsible for any damage done in the demolition and indemnify the Government against any claim on account thereof including third party and workmen"s Compensation claims. If any damage is done to any adjoining property, the BIS shall be entitled to have the same put right at the risk and expense of the successful bidder or treat the default as a ground for terminating the contract.
3. The successful bidder shall acquire no interest in the land comprised in the said property except a permission to enter thereon for the purpose of the demolition only aforesaid & for construction of structure as per terms and conditions of this tender document and in particular shall not be entitled to reside or allow anyone to reside or remain on the property except watchman during the contract period/ extended contract period.
4. Statutory fees / connection charges, if any paid to the local bodies or any other agency by the contractor shall be reimbursed by the Department on submission of vouchers/ bills / receipts issued by the various local bodies. The cost of restoration of any services damaged by the agency during execution shall however be borne by him.
5. Taking all precautionary measures to safeguard against any accident for the contractors employees, general public, supervisory staff of CPWD by providing necessary safety equipments e.g. MS sheet barricading etc and personal Protection Equipments e.g. helmets, safety shoes etc. at work site.
6. The site has to be kept clean of all debris, rubbish and dirt & surplus/waste material all the time. It also includes maintenance, cleaning & de-silting the drains, pipe line laid by the agency for all services etc. executed by the agency to the entire satisfaction of the BIS during the maintenance periods. Cleaning and de-silting will also be done by the agency before handing over the completed building to CPWD. All machined, equipments and labour for this purposes will be arranged by contractor.
7. All labour employed by the firm/contractor shall be got registered with Tamil Nadu Construction Labour Welfare board, ESIC and EPF, etc.,
8. Maintenance / defect liability period would be uniformity One (1) year form the date of taking over the respective housing pocket complete in all respects & fit for occupation. However, maintenance of other building activities such as cleaning, sweeping of pocket & de-silting of sewer lines, S.W. Drain shall be done only once, at the time prior to handing over the respective pocket. The maintenance will be only limited to removal of defects notices in the works carried out by the agency during defect liability period. The terms of maintenance & liability period for Electrical subhead is as mentioned in the part-C for E&M works.
9. The above scope of work includes cost all materials, manpower, equipments, T&P fixtures, accessories, royalties, taxes, watch & ward and all other essential elements for completion and maintenance of works as aforesaid whatsoever.

10. No work shall be done after 7 P.M. Due to exigencies of work, if work needs to be done beyond 7 pm, necessary prior permission shall be obtained from the BIS. The work shall be executed without creating disturbance to the movement of the people on the adjoining roads. Care shall be taken to prevent dust spreading beyond the building to be demolished. The work shall be executed without making heavy sounds.
11. The buildings shall be in the custody of the successful bidder from the date of acceptance of the tender.
12. If the successful bidder fail(s) to observe or perform any provisions of the contract or become(s) insolvent, or make(s) arrangement with creditors or breach if any gratuity, gift loan, perquisite reward or advantage pecuniary or otherwise shall either directly or indirectly be given promised or offered by the purchaser or the successful bidder's servants or agents to any public officer or person in the employment of the President in any way relating to the office or employment or if any such officer or person shall become in any way directly or indirectly interested in the contract the Engineer-In-charge may determine the contract without notice and without prejudice to recover from the successful bidder of any loss thereby incurred.
13. The work shall be executed in compliance with the complete labour act in force, regarding payment of minimum wages, advances, over time, gratuity, provident fund, providing medical and other facilities and the safety measures to be taken as applicable as per the labour act.
14. The ground where the buildings are located shall be levelled without undulations and dressed neatly after completion of the work.
15. The contractor should appoint a full time qualified person as safety-in-charge for taking care of implementation of safety system in order to safeguard the workers engaged for the demolition of the building. Any casualty during demolition shall be the responsibility of the bidder.
16. The Cost of bid amount shall be net inclusive of cost of dismantling, disposal of all surplus materials and the cost of salvageable materials including the electrical installations and fittings.
17. The Contractor shall carry out the work without disturbing / damaging the other existing structures and trees / plants etc which are not in the purview of the contract. Any damage / disturbance made by the contractor to the adjacent / nearby buildings / structures will be rectified at the risk and cost of the contractor.
18. The contractor shall ensure the safety of the public / animals etc during the execution of the work. Necessary precautionary measures shall be taken.
19. No explosives shall be used for dismantling of the buildings.
20. The Contractor shall abide to the restrictions, rules, regulations and timings imposed by the department on the working and on movement of labour, materials etc.
21. No temporary electrical connection shall be provided by the BIS. The contractor shall make his own arrangement of temporary electrical connection from the TANGEDCO, fuel/generator for running of tools, plants and machinery required for demolition work. However, the department shall assist the agency in forwarding the application.

22. The Contractor shall take instructions from the BIS for stacking of materials. No excavated earth / building rubbish shall be stacked on areas where other buildings, roads, services, compound walls are existing.
23. The Contractor shall make necessary accommodation outside the BIS campus for their labours. The labour movement should be restricted to the areas only where the work is to be carried out.
24. The Contractor shall make necessary arrangement to obtain photo id pass / group pass for entry of labours, materials, machinery and vehicle in to the for accessing the BIS campus if necessary.
25. The work shall be carried out with least hindrances to the adjoining building and offices and the contractor shall be responsible for any damages caused to the existing fixtures, electrical fittings and other services etc in the course of execution and the contractor shall make good any such damages at his own cost.
26. The debris / building rubbish waste and the like as generated from the work spot should be taken out of BIS campus. All the waste and debris material should be disposed off the campus in a legal and environmental friendly way as per contract.
27. No one is allowed to enter into workspace and work site without adequate foot protection.
28. All the dangerous moving parts of the portable / fixed machineries being used shall be adequately guarded.
29. Inserting of bare wires for tapping the power from electrical sockets is completely prohibited.
30. All unsafe conditions, unsafe acts identified by contractor, reported by site supervisors and / or safety personnel to be corrected immediately.
31. No children shall be allowed to enter the work space.
32. The contractor has to provide necessary barricade by GI sheets so as to avoid the falling/splashing of dismantled debris to the adjacent buildings, injuries and casualties to the residents/office staff moving inside the campus.
33. Restrictions may be imposed by the security staff of BIS on the working and for movement of labour, materials etc. The contractor shall be bound to follow all such restrictions/instructions and nothing extra shall be payable on this account.
 - (a) The demolishing of building work will be carried out in the manner complying in all respects with the requirements of relevant bye laws of the local body under the jurisdiction of which the work is to be executed or as directed by the BIS and nothing extra will be paid on this account.
34. The department shall not be liable for any payment in respect of any damages or compensation payable accordingly to law in respect or in consequences of any accident or injury or loss of life to any workman or other person in the employment of the contractor or any sub-contractor, except an accident or injury resulting from any act or default of the Employer, his agents or servants. The contractor shall insure against such liability with an insurer approved by the employer for sum as per established norms during the entire period till the completion of the contract.
35. After demolition the agency is allowed to take away all the serviceable materials like bricks, wooden doors, trusses, steel reinforcement rods and debris etc. including the electrical installations and fittings.
36. Wherever any reference to any Indian Standard Specification occurs in the documents relating to this contract, the same shall be inclusive of all amendments issued there to or revision thereof if any, up to the date of receipt of tenders.

37. Unless otherwise specified in the schedule of quantities the rate tendered by the contractor for the items of the work shall be considered, as inclusive of pumping out or bailing out water, if required, for which no extra payments will be made. This will include water encountered from any source, such as rains, floods, sub-soil water table being high or due to any other cause whatsoever.
38. GST and Labour Cess etc., or any other tax applicable in respect of this contract shall be payable by the Contractor and Government will not entertain any claim whatsoever in respect of the same. However 2% (TWO PERCENT) of the gross bill amount will be deducted at source, towards GST, from each running account and Final bill paid to the contractor by the BIS or his successors thereof as per the Section 51 of the GST Act 2017.

Special Condition

1. Before tendering, the contractor shall inspect the site of work and shall fully acquaint himself about the conditions prevailing at site, availability of materials, availability of land and suitable location for construction of godowns, stores and camp, transport facilities, the extent of lead and lifts involved in the work (over the entire duration of contract) including local conditions, as required for satisfactory execution of the work and nothing extra whatsoever shall be paid on this account.
2. The contractor shall at his own expense and risk arrange land for accommodation of labour, setting up of office, the storage of materials, erection of temporary workshops, and construction of approach roads to the site of the work including land required for carrying out of all jobs connected with the completion of the work. However, the departmental land, to the extent available may be allowed to be used for the purpose free of rent without accepting any responsibility for the delay, if any, on this account. The contractor shall have to abide by the regulations of the authorities concerned and the directions of the BIS for the use of the land available at the site of work. If during construction it becomes necessary to remove or shift the stored materials shed workshop, access roads, etc. to facilitate execution of any other work by any other agency, the contractor shall do as directed by the BIS and no claim whatsoever, shall be entertained on this account.
3. It shall be deemed that the contractor shall satisfied himself as to the nature and location of the work, transport facilities, availability of land for setting up of camp etc. The department will bear no responsibility for lack of such knowledge and the consequences thereof.
4. The contractor shall have to make approaches to the site, if so required and keep them in good condition for transportation of labour and materials as well as inspection of works by the BIS. Nothing extra shall be paid on this account.
5. The contractor shall be responsible for the true and proper setting out of the work in coordination with the BIS or his authorized representatives and for the correctness of the positions, levels, dimensions and alignments of all parts of the structure and for the provisions of all necessary instruments appliances and labour in connection therewith. If at any time, during the progress of work, any error appears or arises in the position, levels, dimensions or alignment of any part of the work, the contractor on being asked to do so by the BIS, shall rectify such error to the entire satisfaction of BIS. The checking by the BIS or his authorized representative shall not relieve the contractor of his responsibility for the correctness of any setting out of any line or level. The contractor shall carefully protect and preserve all bench marks pegs and pillars provided for the setting out of works.
6. All setting out activities concerning establishment of benchmarks, theodolite stations centre line pillars etc. including all materials, tools, plants, equipments, theodolite and all other instruments, labour etc. required for performing all the functions necessary and ancillary thereto at the commencement of the work, during the progress of the work and till the completion of the work shall be carried out by the contractor and nothing extra shall be paid on this account.
7. The contractor shall at his own cost submit samples of all materials sufficiently in advance and obtain approval of the BIS. Subsequently, the materials to be used in the actual execution of the work shall strictly conform to the quality of samples approved by the BIS and nothing extra shall be paid on this account. The

acceptance of any sample or material on inspection shall not be a bar to its subsequent rejection, if found defective.

8. Materials used on work without prior inspection and without approval of BIS are liable to be considered unauthorized, defective and not acceptable. The BIS shall have full powers to require removal of any or all of the materials brought to site by contractor which are not in accordance with the contract, specifications or do not conform in character or quality to the samples approved by the BIS. In case of default on the part of the contractor in removing rejected materials, the BIS shall be at liberty to have them removed at the risk and cost of the contractor.

9. The contractor shall make his own arrangement for the water required for execution of work and get the water tested at his own cost with regard to its suitability for use in the works and get written approval from the BIS before he proceeds with the use of same for execution of work. Nothing extra shall be paid to the contractor on this account.

10. Any damages done by the contractor to any existing work or work being executed by other agencies shall be made good by him at his own cost.

11. The work shall be carried out in the manner complying in all respects with the requirement of relevant rules and regulations of the local bodies under the jurisdiction of which the work is to be executed and nothing extra shall be paid on this account.

12. The drawings for the work attached in the document relating to this contract and all other drawings that will be issued by the BIS during the execution of work shall at all times be properly correlated before executing any work and no claim whatsoever shall be entertained on this account.

13. The contractor shall maintain in good condition all work executed till the completion of the entire work entrusted to the contractor under this contract and nothing extra shall be paid on this account.

14. No payment will be made to the contractor for damage caused by rain, floods and other natural calamities whatsoever during the execution of the works and any damage to the work on this account shall have to be made good by the contractor at his own cost and nothing whatsoever ' shall be paid on this account.

15. The rates for all items of work, unless clearly specified otherwise, shall include the cost of all labour materials, de-watering and other inputs involved in the execution of the items.

16. Unless otherwise provided in the schedule of quantities or work specifications the rates tendered by the contractor shall be all-inclusive and shall apply to all heights, depths, leads and lifts.

17. No claim whatsoever for idle labour, additional establishments, costs of hire and labour charges for tools and plants etc. would be entertained under any circumstances.

18. For the safety of all labour directly or indirectly employed in the work for the performance of the contractor's part of this agreement, the contractors shall, in addition to the provisions of CPWD safety code and directions of the Engineer-in-charge make all arrangements to provide facility as per the provisions of Indian Standard Specifications (Codes) listed below and nothing extra shall be paid on this account.

1. IS 3696 Part I Safety Code for scaffolds and ladders
2. IS 3696 Part II Safety Code for scaffolds and ladders Part II ladders
3. IS 764 Safety Code for excavation work
4. IS 4081 Safety Code for Blasting and Drilling operations,
5. IS4138 Safety Code for working in compressed air.
6. IS 7293 Safety Code for working with construction machinery
7. IS 7969 Safety Code for storage and handling of building materials

19. The contractor shall take all precautions to avoid all accidents by exhibiting necessary caution boards and by providing red flags, red lights and barriers. The contractor shall be responsible for any accident at the site of work and consequences thereof.

20. In case of specifications the following hierarchy will be followed:

- (1) Nomenclature of the item.
- (2) Additional Specifications, particular specifications, special / additional conditions if any as defined in the contract documents.
- (3) Drawings
- (4) CPWD Specification.
- (5) BIS Specification (Latest version) if CPWD specification not available.
- (6) Manufacturers specifications if BIS specification not available.
- (7) Sound engineering practices. Standard text books.
- (8) If none of the above is available decision of Engineer-in-Charge will be Final.

21. All Stone aggregates, sand, stone dust, etc shall be obtained only from the quarry or other source approved by the BIS before they are actually procured and used in the work. The rate for the items mentioned in the schedule of quantities includes all charges and nothing-extra payable on any account.

22. The additional specifications given below are not substitute to C P W D specifications or I S specifications. These shall be read along with C P W D specifications or I S specifications.

22.1 The work shall be carried out using metric dimensions only and shall be measured and paid in metric dimensions. F P S units, if any, mentioned in drawings etc are for guidance only.

22.2 Wherever any reference to any Indian Standard Specification occurs in the documents relating to this contract the same shall be inclusive of all amendments issued there to or revision thereof if any, up to the date of receipt of tenders.

22.3 Unless otherwise specified in the schedule of quantities the rate for the items of the work shall be considered, as inclusive of pumping out or bailing out water, if required, for which no extra payments will be made. This will include water encountered from any source, such as rains, floods, sub-soil water table being high or due to any other cause whatsoever.

22.4 The tenderer shall study the item description, the relevant drawings and satisfy himself the item of work to be carried.

22.5 The contractor shall produce the copy of the current validity of the BIS certification of the agency from whom materials was procured by the contractor. BIS marked materials shall also be got tested. The materials and the quantity for which tests to be conducted shall be decided by the BIS.

22.6 The rate shall be for all heights and locations and shall include all material, labour etc unless specified in the item description.

23. RCC WORK:

a) ADDITIONAL CONDITIONS AND PARTICULAR SPECIFICATION FOR R.C.C. WORK (DESIGN MIX CONCRETE)(Before start of RCC work concrete Mix Design shall be got done by the contractor from a NABL accredited laboratory/ IIT/ NIT laboratory with the approval of BIS. The RCC Work shall be carried out as per the Mix Design approved by the BIS,)

24. The Mixing of Concrete shall be done in the mechanical mixer. The Minimum Cement Content for the Design mixed cement concrete/ RMC for reinforced cement concrete shall be **as per clause 5.8 & 5.9** of CPWD Specifications 2019 vol I with up to date correction slips. **For all RCC works cover blocks of required sizes shall be used as per 5.3.3.2 of CPWD Specification 2019.**

25. All RCC works with design mix concrete / RMC shall, in general, conform to **CPWD Specifications 2019 vol I & II** with up to date correction slips.

26. The rate for dismantling includes bringing down the material to the ground level irrespective of the lead and lift mentioned in the item.

27. M.Sand confirming to coarse sand / fine sand as that of CPWD specifications 2019 Vol-I/II with up to date correction slips shall be allowed except for plastering in the work of in place of river sand The bidders shall quote their rate accordingly.

28. The quoted rates are inclusive of prevailing GST and nothing extra shall be paid.

29. All expenditure to be incurred for testing of samples e.g. Packaging, sealing, transportation, loading, unloading etc. including testing charges for any of the items / materials as required as per CPWD specifications, shall borne by the Contractor.

30. The building work will be carried out in the manner complying in all respects with the requirements of relevant byelaws of the local body under the jurisdiction of which the work is to be executed or as directed by the Engineer-in-Charge and nothing extra will be paid on this account.

31. The work of water supply, internal sanitary installations and drainage work etc. shall be carried out as per local Municipal Corporation or such local body-by-laws and the contractor shall produce necessary completion certificate from such authorities after completion of the work.

32. The structural and Architectural drawings shall at all times be properly correlated before executing any work. However, in case of any discrepancy in the item given in the schedule of quantities appended with the tender and Architectural drawings relating to the relevant item, the former shall prevail unless and otherwise given in writing by the BIS.

33. The Contractor shall furnish his proposed methodology and programme of construction in comprehensive manner of executing and completing the work within the 7 days of acceptance of tender. The programme shall consist of the various components for each part of the work and a bar chart may be

appended in this connection, failing which an amount of Rs 10,000 will be deducted / levied and the decision of Engineer in charge in this regard is final.

34. The contractor shall take instructions from the BIS for stacking of materials in any place. No excavated earth or building material shall be stacked on areas where other buildings, roads, services compound walls are to be constructed.

35. As per Municipal / Local body rules the huts for labour are not be erected at the site of work by the contractors, the contractors are required to provide such accommodation as is acceptable to local bodies and nothing extra shall be paid on this account.

36. All the ISI marked products are acceptable as per CPWD specifications at all times subject to the necessary Technical evaluation and necessity Vis-à-vis work.

37. The bidder has to deposit the Performance Security amount and commence the work within ten days from the date of award of Work order, else the awarded work order stands cancelled

38. **Performance Security:** To ensure due performance of the work, an interest-free Performance Security shall be deposited by the bidder in the form of Demand Draft/ through NEFT in favour of “Bureau of Indian Standards” payable at “Chennai”.

39. Performance Security shall remain valid for a period of sixty days beyond the date of completion of work. The Performance Security shall be returned to the Contractor by the Bureau after sixty days of completion of work provided there are no defects in completed work.

40. In case of non-compliance of contract obligations and also in case of any damages, breakages and loss or theft to the building, fittings, assets and equipment attributable to staff or labour deployed by the contractor, contractor will be responsible for repairing/ replacing the same at his cost failing which the actual cost incurred towards repair/ replacement with suitable penalty shall be imposed on the contractor by BIS SRO

41. In the event of any accident/ damage etc. caused due to negligence of staff deployed will be debited to the inefficiency of the contractor and he has to make good the loss.

42. Successful bidder shall make available at site any safety equipment required to work with electricity, fire, refrigerant, gases under pressure, places at any height, depth, and in ducts and electrical safety equipment and safety belts, helmets, shoes, rain/water protection equipment etc. which may be required for the purpose of any job at no additional charge.

43. Water & Electricity will be provided by BIS SRO at one point in the proximity of the site. Contractor shall make his own arrangements from that point as required for the works.

44. Successful bidder need to deploy a Site Manager cum Technical Supervisor at site till completion of the job as a single point contact person and he should have at least Diploma in Civil Engineering and 03 years of experience in execution of such works.

45. Bidder shall make available at site any safety equipment required to work with electricity, fire, refrigerant, gases under pressure, places at any height, depth, and in ducts and electrical safety equipment and safety belts, helmets, shoes, rain/water protection equipment etc. which may be required for the purpose of any job at no additional charge as such work shall be carried out at all

height and levels as required at site by ensuring all safety precautions and systems required at work site.

46. Bidder need to ensure all safety requirements at site including all processes & procedures of working which shall confirm to safety guideline of highest standards including availability of all PPEs like safety harness, safety shoes, safety helmet, safety gloves etc. as required for ensuring safe working site at all time and also bidder need to ensure that all these equipment are being used by all workmen deployed by them for safe functioning of site.

47. If the bidder fails to proceed at once with the replacement of defective or unsuitable materials or workmanship, the BIS SRO shall replace such materials and/or such workmanship and charges the cost thereof to the bidder.

48. Any damages caused to BIS SRO property during works shall be rectified and made good by the bidder, at his own risk and cost.

49. In the event that the bidder fails to remove debris from the site from time to time, the same shall be removed from the site at the risk and cost of the bidder and additionally a fine of Rs. 5000.00 (Rupees five thousand only) shall be levied for each instance of non-adherence to this directive.

50. The work has to be completed within the stipulated period of 60 sixty days from the date of award of work order.

51. Payments will be made on completion of work and recommendation of satisfactory report by the BIS officials. If required, interim payment can be made on proportionate to the amount of work performed, after such work has been inspected and measurements are checked jointly by bidder and BIS SRO officials. Payments of the final bill will be made after adjusting the interim payments, if any.

52. **Force Majeure Clause:** If at any time during the continuance of this Contract, the performance in whole or in part by either party of any obligation under this contract shall be prevented or delayed by the reasons of any war, hostility, acts of the public enemy, epidemics, civil commotion, sabotage, fires, floods, explosion, quarantine restrictions, strikes, lockouts or act of God (hereinafter referred to as such acts) provided notice of happening of such event is given by one party to the other within 21 days from the date of occurrence thereof, neither party shall be by reasons of such event, be entitled to terminate this contract nor shall either party have any claim for damages against the other in respect of such non-performance or the delay in performance, and deliveries under the contract shall be resumed as soon as practicable after such event has come to an end or ceased to exist, and the decision of the Director General of the Bureau as to whether the deliveries have been so resumed or not, shall be final and conclusive, PROVIDED FURTHER that if the performance in whole or part of any obligation under this contract is prevented or delayed by reason of any such event for a period exceeding 60 days, either party may at its option terminate the contract provided also that the Bureau shall be at liberty to take over from the Contractor at a price to be fixed by Director General, which shall be final.

53. **Disputes & Arbitration:** The Bureau and the Contractor shall make every effort to resolve amicably by direct informal negotiation, any disagreement or dispute arising between them under or in connection with the contract. If a dispute(s) of any kind whatsoever that cannot be resolved

the same shall be referred to the Arbitrator, appointed by the BIS SRO. The provisions of the Indian Arbitration and Conciliation Act, 1996 shall apply.

54. **Law:** The contract shall be governed and interpreted under Indian Laws.

55. **Legal Jurisdiction:** No suit or other proceedings relating to performance or breach of Contract shall be filed or taken by the Contractor in any Court of law except the competent Courts having jurisdiction within the local limits of Chennai only.

ADDITIONAL SPECIFICATIONS

The additional specifications given below are not substitute to C P W D specifications or I S specifications. These shall be read along with C P W D specifications or I S specifications.

A. GENERAL

1. The work shall be carried out using metric dimensions only and shall be measured and paid in metric dimensions. F P S units, if any, mentioned in drawings etc are for guidance only.
2. Wherever any reference to any Indian Standard Specification occurs in the documents relating to this contract the same shall be inclusive of all amendments issued there to or revision thereof if any, up to the date of receipt of tenders.
3. Unless otherwise specified in the schedule of quantities the rates for the various items are for all heights and locations.
4. Unless otherwise specified in the schedule of quantities the rate for the items of the work shall be considered, as inclusive of pumping out or bailing out water, if required, for which no extra payments will be made. This will include water encountered from any source, such as rains, floods, sub-soil water table being high or due to any other cause whatsoever.
5. The tenderer shall study the item description, the relevant drawings and satisfy himself the item of work to be carried.
6. The contractor shall produce the copy of the current validity of the BIS certification of the agency from whom materials was procured by the contractor. BIS marked materials shall also be got tested. The materials and the quantity for which tests to be conducted shall be decided by the Engineer-in-charge.

C. RCC WORK:

1. The Mixing of Concrete shall be done in the mechanical mixer. Besides the mixer should also have arrangement for weighing water so that, water cement ratio can be controlled more effectively.
2. For all RCC works only factory made round type cover blocks shall be used instead of pre cast cover blocks as per 5.3.2.2 of CPWD Specification 2019. The CPWD specification stands modified to the extent.

E. EARTH FILLING:

In respect of **Item for** filling in foundations, plinth and the area wherever required with available earth and earth carted from outside, the rate is inclusive for all lifts and leads of filling and nothing extra shall be payable.

CONDITION FOR CEMENT & STEEL TO BE BROUGHT BY THE CONTRACTOR

1. Cement

1.1. The contractor shall procure 43 grade (conforming to IS: 8112) ordinary Portland cement/ PPC as required in the work, from reputed manufacturers of cement having a production capacity of one million tonnes per annum or more, such as ACC, Ultra Tech, J.P.Rewa, Vikram, Shree Cement, Birla Jute, Dalmia and Cement Corporation of India, etc., as approved by the Ministry of Industry, Government of India, and holding license to use ISI certification mark for their product whose name shall be got approved from the Engineer-in-Charge. Supply of cement shall be taken in 50 kg bags bearing manufacturer's name and ISI marking. Samples of cement arranged by the contractor shall be got tested in accordance with provisions of relevant BIS codes. In case, test results indicate that the cement arranged by the contractor do not conform to the relevant BIS codes, the same shall stand rejected and shall be removed from the site by the contractor at his own cost within a week's time of written order from the Engineer-in-Charge to do so.

1.2. The cement go-down of the capacity to store a maximum of 2000 bags of cement shall be constructed by the contractor at site or work for which no extra payment shall be made. Double lock provision shall be made to the door of the cement go-down. The keys of one lock shall remain with the Engineer-in-Charge or his authorized representative and the key of the other lock shall remain with the contractor. The contractor shall be responsible for the watch and ward and safety of the cement go-down. The contractor shall facilitate the inspection of the cement godown by the Engineer-in-Charge at any time.

1.3 The contractor shall supply free of charge the cement required for testing. The frequency and the details of the tests shall be decided by the Engineer-in-Charge depending on the quantum of supply in each batch. All expenditure to be incurred for testing of samples e.g. Packaging, sealing, transportation, loading, unloading etc. including testing charges shall borne by the contractor.

1.4 The actual issue and consumption of cement on work shall be regulated and proper accounts maintained as provided in the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in the contract and shall be governed by conditions laid therein. Items for which standard coefficients for cement consumption are not available in DSR 2007, the same shall be decided by the Engineer-in-Charge.

1.3. Cement brought to site and cement remaining unused after completion of work shall not be removed from site without written permission of the Engineer-in-Charge.

1.4. The cement bags shall be stacked on proper floors consisting of two layers of dry bricks laid on well-consolidated earth at a level of at least one foot above ground level. The stacks shall be in rows of 2 and 10 bags high with minimum of 0.67 m clear space around. The bags should be placed horizontally continuous in each line. Actual size/shape of godown shall be as per site requirements and nothing shall be paid on this account. The decision of Engineer-in-Charge regarding capacity shall be final. Cement register for the cement shall be maintained at site. The account of daily receipts and issues of cement shall be maintained in register in the pro forma prescribed and signed daily by contractor or his authorized agent.

2. Steel

2.1.1 The contractor shall procure steel from primary manufacture only. i.e. RINL, SAIL, TISCO & JSW steel Ltd., JINDAL Steel & Power Ltd. conforming to the manufacturer's specification from main producers only as approved by the Ministry of steel. For TMT (Fe 500-D) bars, conforming to relevant BIS code procurement shall be made from producers. The contractor shall have to obtain and furnish test certificates to the Engineer- in –charge in respect of all supplies of steel brought by him to the site of work. Samples shall also be taken and got tested by the Engineer-in-charge as per the provisions in this regard in relevant BIS codes. In case the test results indicate that the steel arranged by the contractor does not conform to BIS Codes, the same shall stand rejected and shall be removed from the site of work by the contractor at his cost within a week's time from written orders from the Engineer-in-charge to do so.

2.1.2 The steel reinforcement shall be stored by the contractor at site of work in such a way as to prevent distortion and corrosion and nothing extra shall be paid on this account. Bars of different sizes and lengths shall be stored separately to facilitate easy counting and checking.

2.1.3 For checking nominal mass, tensile strength, bend test, re-bend test, etc. specimen of sufficient length shall be cut from each size of the bar at random at frequency not less than specified below:

Size of Bar	For consignment below 100 tonnes	For consignment over 100 tonnes
Under 10 mm dia	One sample for each 25 tonnes or part thereof	One sample for each 40 tonnes or part thereof
10 mm to 16 mm dia	One sample for each 35 tonnes or part thereof	One sample for each 45 tonnes or part thereof
Over 16 mm dia	One sample for each 45 tonnes or part thereof	One sample for each 50 tonnes or part thereof

2.2 The contractor shall supply free of charge the steel required for testing. All expenditure to be incurred for testing of samples e.g. Packaging, sealing, transportation, loading, unloading etc. including testing charges shall borne by the Contractor.

2.3 The actual issue and consumption of steel on work shall be regulated and proper accounts maintained as provided in the contract. The theoretical consumption of steel shall be worked out as per procedure prescribed in the contract and shall be governed by conditions laid therein.

2.4 Steel brought to site and steel remaining unused shall not be removed from site without the written permission of the Engineer-in-Charge.

2.5 The standard section weights referred to as standard tables in Para 5.3.3 in CPWD Specifications, 2019

2.6 to be considered for conversions of length of various sizes of MS bars and cold twisted bars/high yield strength deformed bars / thermo-mechanically treated bars into weight are as per CPWD Specifications 2019.

For steel, measurement will be regulated on sectional weight basis, weight being calculated with help of above tables. The weight shall be taken as per actual basis, if found lower than the standard weight but within tolerance limit as per relevant BIS codes. Steel reinforcement having actual weight less than the standard weight as well as exceeding the tolerance limit on the minus side as specified in the relevant BIS codes shall be rejected and shall not be used in the work. Nothing extra shall be paid for overweight of steel sections than given in the table.

The mild steel to be used shall conform to IS: 432 – Cold Twisted Bars/High Yield Strength deformed bars shall conform to IS: 1786 & thermo-mechanically treated bars shall conform to relevant BIS codes. The contractor shall submit challan /bill/gate pass/cash memo in support of material purchased from manufacturers/their authorized dealers.

3 Over theoretical quantities of materials, so computed, a variation shall be allowed as specified in schedule „F“. If the quantities of materials actually used are less than the theoretical quantities including authorized variation on the minus side, the cost at market rates including cartage to the site of such quantities of materials, less used at site, as determined by Engineer-in-Charge which shall be final and binding, shall be recovered from the contractor without prejudice to department rights/remedies available under the contract, for action against substandard work. Nothing extra is payable if the quantities of materials actually used are more than the theoretical quantities including variation allowed in Schedule “F”.

FORM „J“

AFFIDAVIT

Name of work : Civil Construction work- Widening of Main Gate at BIS Southern Regional Office Building, CIT Campus, Taramani, Chennai.

I/we undertake and confirm that our firm/partnership firm has not been blacklisted by any state/Central Departments/PSUs/Autonomous bodies during the last 7 years of its operations. Further that, if such an information comes to the notice of the department then I/we shall be debarred for bidding in BIS in future forever. Also, if such information comes to the notice of department on any day before date of start of work, the BIS shall be free to cancel the agreement and to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee (Scanned copy of this notarized affidavit to be uploaded at the time of submission of bid)

NOTE: Affidavit to be furnished on a „Non-Judicial“ stamp paper worth Rs.100/-

**Signature of Bidder(s) or an authorized
Officer of the firm with stamp**

Signature of Notary with seal

AGREEMENT

THIS AGREEMENT made on this _____ day of _____ 2021 between M/s _____ (Name and Address of the Contractor) (hereinafter referred to as the CONTRACTOR, which expression shall, unless it be repugnant to the context or meaning thereof, be deemed to mean and include its successors and assigns) of the ONE PART and the Bureau of Indian Standards Southern Regional Office, CIT Campus, IV Cross Road, Taramani, Chennai - 600 113 (hereinafter referred to as the BUREAU, which expression shall, unless it be repugnant to the context or meaning thereof, be deemed to mean and include its successors and assigns) of the OTHER PART.

WHEREAS the Contractor is a Work Executor..

AND WHEREAS the Bureau is a Statutory body functioning under the Ministry of Consumer Affairs and Food & Public Distribution, Government of India. The Bureau intends to invite bid for “Civil Construction work- Widening of Main Gate” and invited bids through Limited Bid enquiry dated _____

WHEREAS the Contractor (successful bidder) submitted his bid vide _____ in accordance with the bid document and was selected as successful bidder pursuant to the bidding process and awarded the “Letter of Acceptance” (LoA) No. _____ to the Contractor on _____.

BOTH THE PARTIES HERETO agree to abide the terms and conditions as mentioned in (Conditions of Contract) of Bid Document”.

(Signature of Contractor/

Authorized Representative)

Name _____

Designation _____

Address _____

Seal of the Firm/Company

Witness:

(Signature)

Name of Witness _____

Address _____

(Signature of Authorized Officer of the Bureau)

Name _____,”

Designation _____

Address _____

Seal of the Bureau

Witness:

(Signature)

Name of Witness _____

Address _____

FINANCIAL BID DOCUMENT

With reference to the bid enquiry for “Civil Construction work- Widening of Main Gate” we quote the rate as given below.

Sl. No.	Particulars	To be filled and not to be left blank.
1	Rate for Civil Construction work- Widening of Main Gate (Inclusive of GST)	 Rs. in Figures: Rupees in Words:

Note: I/we have read the bid document in all pages and understood all the terms and conditions for “Civil Construction work- Widening of Main Gate” at BIS SRO Main Building as indicated in the bid document and I / We abide by the terms & conditions laid down in the Bid Document.

Date:

Place:

**(Name and Signature of Bidder
with stamp of the firm)**