

To

M/s. _____

Dear Sir,

**Supply, erection & fixing of MS Structural Ramp and Handicapped toilet at
SIDBI, SME Development Centre, BKC Office Premises,
Mumbai - 400 051- Quotation**

I] SIDBI (hereinafter referred to as 'the Bank') invites quotations from **EMPANNELED CONTRACTOR (ABOVE 05 LACS CATEGORY)** in the enclosed performa for the captioned work for its office premises at BKC, Mumbai. Details of work to be undertaken are given below.

II] Broad terms and conditions of the contract shall be as under:

1. The Contractor shall visit the sites before quoting for the work. The detailed address of the work site is as below:

**SIDBI, SME Dev. Centre
C-11, 'G' Block
Bandra Kurla Complex
Bandra(E), Mumbai-51**

Scope of work

1. The scope of work includes **Supply, erection & fixing of MS Structural Ramp & remodeling of existing toilets for carving out the Handicapped toilet** near the back entrance (i.e. service entrance) of SIDBI, SME Development Centre, BKC Office Premises, Mumbai - 400 0512.

2. The Contractor shall execute the work broadly as per the CPWD specifications (latest). He shall provide everything necessary for the proper execution of the work according to the true intent and meaning of the specifications and schedule of quantities taken together. If the Contractor finds any discrepancy in the specifications, schedule of quantities and the actual work to be taken up, he shall immediately refer the same to the Bank, who shall decide in the matter, and whose decision shall be final and binding on all parties.

3. All material and workmanship shall be of the respective kinds specified in the Schedule of quantities and/ or specification and in accordance with the instructions of the Bank. All the materials used shall be conforming to IS Codes. The Contractor, shall, upon the request of the Bank, furnish to them all invoices, accounts, receipts

and other vouchers to prove that the materials comply with the specifications. The Contractor shall at his own cost arrange for or carry out any test of any materials which the Bank may require. The Contractor shall submit the samples of various materials for approval to the Bank before using the same at site. In case the quality of work is not found as per specifications, the Bank reserves the right to devalue or reject the same.

4. The Contractor shall at his own cost, set out the works accurately in accordance with the directions and to the complete satisfaction of the Bank. He shall be solely responsible for the true and perfect setting out of the works and for the correctness of the position, levels, dimensions and alignment of all parts thereof. If at anytime any error shall appear during the progress or on completion of any part of the work, the Contractor shall at his own cost rectify such error if called upon to the satisfaction of the Bank.

5. Any defect or other faults which may appear within the Defect Liability Period of 12 months after the virtual completion of the work, the responsibility for making good at their own cost of the defects becoming apparent during this period, will rest entirely with the Contractor and the Contractor shall upon the direction of the Bank, and within such reasonable time as shall be specified therein, rectify and make good all the defects at his cost. In case of default by the Contractor, the Bank may employ and pay other persons to rectify and make good such defects, or other faults, and all damages, loss and expenses consequent thereon or incidental thereto shall be made good and borne by the Contractor and such damage, loss and expenses shall be recoverable from him. Further, the Bank will have right to adjust the said expenditure from the retention money deposit (RMD).

6. The Bank reserves the right to increase/decrease the quantity of work upto any extent and the Contractor shall be paid as per the agreed quoted rate for the actual quantity of work executed. No increase in rate shall be considered on this account.

7. The entire work shall be carried out during day time and shall be completed within a stipulated period of **60 days**. Date of commencement will be considered as the date of work order or handing over of the site by the Bank whichever is earlier. In case of delay a **penalty @ ₹1000 per day** shall be charged. The Bank reserves the right to terminate the contract and forfeit the Retention Money Deposit in case contractor does not perform satisfactorily.

8. The work included in the contract shall be executed by the Contractor and the Contractor shall not directly or indirectly transfer, assign or sublet the contract or any part thereof or interest therein, nor shall take a new partner, without the written consent of the Bank and no undertaking shall relieve, the Contractor from the full and entire responsibility of the contract or from active superintendence of the work during its progress.

9. The Contractor shall fulfill all conditions and requirements in accordance with all relevant statutory Acts or any other Acts, enactment's relevant thereto and rules

framed there under, including regulations and bye-laws of any local authority and of any water / lighting supply companies / authorities etc.

10. The Contractor shall supply, fix, and maintain at his cost during the execution of any work, all necessary centering, scaffolding, staging, timbering, watch and ward and lighting by night as well as by day required for proper execution and protection of public and safety of any adjacent street, walls, property and other erections, matters or things including his own labours and materials.

11. The Contractor shall ensure safety of workers and materials used for the work and keep them and the material insured at his own cost till the completion of the work. The Bank will not be liable for any compensation in this regard.

12. The prices (rates) quoted shall include charges for all materials, labour, cleaning and protection, transportation, transit insurance, installation charges, taxes, octroi, profit etc. Prices quoted shall remain firm and no extra payment will be made for any reason. As this being an item rate Contract, the quantities of an item may vary. The Contractor shall not be paid any increase in rate for such variations.

13. EMD of ₹ **5,000** is payable along-with the tender by demand draft / pay order to be drawn in favour of SIDBI payable at Mumbai.

14. Value of running account bill for the work executed should not be less than ₹ 50000. The bill shall be settled in 7 working days.

15. Tax Deduction at Source (TDS) shall be made towards Income Tax, Work Contract Tax etc. from the bills of the Contractor as per the prevailing rules/rates.

16. All taxes, including Sales Tax or any other tax on material or on finished works like Work's Contract Tax, Turn Over Tax, Service tax, etc., in respect of this contract shall be payable by the Contractor and the Bank will not entertain any claims whatsoever in this respect.

17. Retention money @ 5% of each bill value will be deducted. The total RMD shall be 5% of contract value inclusive of EMD. EMD shall be refunded after satisfactory completion of defects liability period of 12 months.

18. The Bank shall not be bound to accept the lowest tender and reserves the right to reject any or all of the tenders without assigning any reasons thereof.

19. The Bank is not bound to supply power / water for carrying out the work. The Contractor shall make his own arrangement for the same. However, no charges for electricity and water used by the contractor for the work shall be recovered by the Bank.

20. As the work is to be done in the flats which are already occupied, the Contractor shall take care of the property of the tenants / the Bank. The Contractor

is also required to clean the stains. In case of any damage/lapse, suitable amount as decided by the Bank shall be recovered from the Contractor.

21. The Contractor & his workers shall maintain necessary decorum/discipline while carrying out the work. Any indecent behavior with the occupants of the flat shall not be tolerated & stern action shall be taken for the same.

22. The Contractor shall provide and maintain at site, all measuring instruments, including steel tape at all times for the use of the bank.

23. Contractor shall not execute any extra item of work without written approval from the Bank. For the extra items approved by the Bank, the contractor shall charge for actual cost of material, labour, taxes and 10% towards profit/overheads and submit necessary proof (supporting voucher/bills/receipt) for the same.

24. All the offers shall be valid for a minimum period of six months from date of submission.

25. Acceptance of the above terms and conditions in sealed Envelope along with priced offers (Annexure) may be submitted to the **Dy. General Manager (Premises), SIDBI, SME Development Centre, Bandra Kurla Complex, Bandra (E), Mumbai-400 051, on or before March 18, 2011 upto 3.00 P.M.** The Envelope will be opened on the same day at 03.30 pm at the same place (at SIDBI) in the presence of the bidders or their authorised representatives. Incomplete / conditional offers are liable for rejection.

26. In case of any queries, the Contractors may get in touch with the Premises Department, SIDBI, before submission of the offer.

All above terms and conditions are acceptable

[Signature of Contractor]

Name:

Stamp:

GENERAL TECHNICAL SPECIFICATION :

2.0 GENERAL SPECIFICATION

2.1 The work in general shall be carried out as per CPWD specifications, 1996 (volume I to VI) (updated with correction slips issued up to last date of submission of tender) and text of revised CPWD specifications for cement mortar, cement concrete and RCC works, 2002 unless otherwise specified in the nomenclature of the individual item or in the particular specifications for civil works and CPWD specifications, 1994 for Electrical works (Internal) and 1995 for Electrical works (External) (updated with correction slips issued up to last date of submission of tender).

2.2 All Electrical installation shall comply with the requirements of Indian Electricity rules, 1956 and Indian Electricity Act-1910 as amended up to date and bye laws of authority of State Government or any other department.

2.3 All mechanical works related to Public Health Engineering will conform to the requirements of manual of Water Supply by the Ministry of Urban Development and various Indian Standards as listed there-in.

2.4 All electrical works will conform to various Indian Codes as listed in the Technical Specifications.

2.5 For the items not covered under the specifications as stated above, the work shall be done as per relevant IS Codes.

2.6 For the items not covered under any of the specifications stated above, the work shall be executed as per Manufacturer's specifications/ General Engineering Practice and / or as per direction of Bank's Engineer.

2.7 ADDITIONAL PARTICULAR SPECIFICATION

In the absence of any definite provisions or any particular issue in the aforesaid specification, reference to be made to the latest codes and specifications of BIS, IRC, BS, ASTM, AASHTO and CAN/CAS in that order. Where even these are silent, the construction and completion of works shall conform to sound Engineering practice as approved by Bank's Engineer. In case of any dispute arises out of the interpretation of the above, the decision of the Bank's Engineer shall be final and binding on the contractor.

Where ever reference is made in the contract to specific standard codes to be met by the materials, plants and other supplies to be furnished and work performed and tested, the latest edition or revision of the relevant codes in effect shall apply, unless otherwise explicitly stated in the contract. Where such standards and codes are national, or related to a particular country of region, other internationally recognized standards which ensure a substantially equal or higher performance than the standards and codes specified will be

accepted subject to the Bank's Engineer prior review and written approval. Differences between standards must be fully described in writing by the contractor and submitted to the Bank's Engineer at least 15 days prior to the date when contractor desires the Bank's Engineer's approval. If the Bank's Engineer determines that such proposed deviation do not ensure substantially equal performance, the contractor shall comply with the standards specified in the documents.

3. MATERIALS

Materials shall be of the approved make & quality. A list of materials of approved brand and manufacturer is indicated in the annexure. If the list of materials mentioned above stipulates two or more or alternative brands/makes of any product, the decision as to which brand/make shall be used in the work shall be taken by the Bank's Engineer/ Employer and the contractor shall provide the brand/make so selected without any extra cost.

In case, materials are required to be obtained from any manufacturer other than those listed on account of non-availability then prior approval from Bank's Engineer will be necessary, supported by relevant test certificates qualifying the required standard. Further tests as directed by the Bank's Engineer shall also be carried out by the contractor at their own cost, if required.

Contractor shall obtain approval from the Bank's Engineer/ Employer of sample of all materials before placing order and the approved sample shall be carefully preserved on the display board in an appropriate manner at the site office for verification by the Bank's Engineer.

For standard bought out items, the sizes manufactured by the firms listed shall prevail when there is discrepancy in the sizes mentioned in the schedule without any financial adjustment.

SPECIFICATIONS

Unless specifically mentioned otherwise, all applicable codes and standards published by the Bureau of Indian Standard and all other such publication as may be published by them after construction work starts, shall govern in respect of design, workmanship, quality and properties of material and method of testing.

SAFETY

All equipment shall be complete with approved safety devices wherever a potential hazard to personnel exists and with provision for safe access of personnel to and around equipment for operation and maintenance functions.

Special care shall be taken to ensure against entry of rats, lizards and other creeping reptiles which may create electrical short circuit inside live equipment.

DRAWINGS

On completion of all work the contractor shall furnish three copies of Ammonia print along with the original tracing of the following "As built" drawings to the Bank's Engineer without any extra cost.

Detailed general arrangement drawings of the switchboard complete with dimension in metric units.

TEST CERTIFICATES AND INSTRUCTIONS

Unless specifically mentioned otherwise, the contractor shall furnish, in duplicate, Manufacturer's Test Certificate with the delivery of the equipment to the Bank's Engineer and Instruction Manual in English for operations and maintenance of equipment wherever required.

TESTING AND COMMISSIONING

Before each field test, the contractor shall obtain the permission from the site engineer and all tests shall be conducted in the presence of duly authorised representative. Records of each test shall be prepared immediately after the test and this record shall be signed by contractor's representative conducting the test and the site engineer attending the test. Copies of their record in quadruplicate shall be handed over to the Bank's Engineer/ Engineer-in-Charge.

A certificate in quadruplicate shall be furnished by the contractor countersigned by the certified supervisor under whose direct supervision the installation was carried out and the Bank's site engineer. This certificate shall be in the prescribed forms in addition to the test certificate required by the Local Electric Supply Authorities. Recommended completion certificate's Format is given in Appendix 'A'.

COMPLETION OF WORK

Payment on each item work shall be made as per measurement and proportionate to the quantum of work completed. In the event of any dispute with regard to the proportion of work complete, the decision of the Bank's Engineer shall be final and binding to the contractor.

PREAMBLE TO THE SCHEDULE OF WORK

The successful tenderer shall carefully go through the Clauses of Invitation to Tender, Specification, Schedule of Work and drawings and shall include in his rates any sum he may consider necessary to cover the fulfillment of the various clauses contained therein. Unit prices stated in the schedule of work against the item of work shall be inclusive of all

installation, accessories and consumables necessary to complete the said work within the contemplation of the contract. Beyond the unit prices no extra amount will be paid for incidental contingent work and materials.

The quantities mentioned in the schedule of work are probable quantities and it must be clearly understood that the contract is not a lump sum contract, that the probable quantities, the value of the entire tender are only indicative and Employer does not in any way assure the tenderer or guarantee that the actual quantity of work would correspond to the probable quantities in the tender.

No change in unit rate will be admissible on any variation of quantity.

GENERAL

Work to be provided for by the Contractor, unless otherwise specified, shall include but not be limited to the following:

- i: Furnishing of labour, materials, supports, scaffolds, transportation, etc required for the work.
- ii: To provide all incidental items not shown or specified in particular but reasonably be implied or necessary for successful completion of the work in connection with the drawings, specification and schedule of items.
- iii: To provide all supervision for proper execution of the work.
- iv: To conduct and bear all costs in respect of any test advised.

After completion of entire work, if any defect in the material or workmanship is found by the Bank's Engineer, the contractor shall remove the same and supply better and approved materials at his own cost.

All precaution against theft and fire shall also be taken by the contractor.

MATERIALS

All materials used in the work shall be ISI approved quality and in its absence conforming to the IS Specification.

CONTRACTORS RATE TO INCLUDE

Apart from other factors mentioned elsewhere in this contract, the rates for the above shall include for the following :

- i: All labour, materials, tools and construction equipment required for fabricating and fixing of above stated items.
- ii: Scaffolding including erection and removal.
- iii Making good of all damaged civil work, if any.

- iv: Necessary modification of pre-laid conduit including supply & fixing of Metal/ PVC conduits and accessories, chase cutting, etc. as required to complete the work.

4. TECHNICAL SPECIFICATION FOR SANITARY FIXTURES

1.0 SCOPE OF WORK :

1.1 Work under this section shall consist of furnishing all material and labour necessary and required to completely install all sanitary fixtures, chromium plated fittings and accessories as required by the drawings specified hereinafter and given in the Schedule of Quantities.

1.2 Without restricting to the generality of the foregoing the sanitary fixtures & C.P. fittings shall include the following:

- a) Sanitary fixtures
- b) Chromium plated fittings
- c) Stainless steel sinks
- d) Mirror

1.3 Whether specifically mentioned or not all fixtures and appliances shall be provided with all fixing devices, nuts, bolts, screws, hangers as required.

1.4 All exposed pipes within toilets and near fixtures shall be chromium plated brass or copper unless otherwise specified.

2.0 GENERAL REQUIREMENTS:

All materials shall be new and of best quality confirming to specification and subject to the approval of the Bank's Engineers. Wherever particular makes are mentioned, the choice of selection shall remain with the Bank.

Sanitary fixtures shall be of the best quality approved by the Bank. Wherever particular makes are mentioned, the choice of selection shall remain with the Bank.

All Appliances, fixtures and fittings shall be provided with all such accessories as are required to complete the item in working condition whether specifically mentioned or not in the Schedule of Quantities, specifications, drawings. Accessories shall include proper fixing arrangement, brackets, nuts, bolts, screws and required connection pieces.

Fixing screws shall be half round head chromium plated brass screws with C.P. washers where necessary.

Porcelain sanitary ware shall be glazed vitreous china of first quality free from warps, cracks and glazing defects confirming to I.S. 2556.

Sinks for pantry or kitchen shall be stainless steel or as specified in the schedule of quantities.

Chromium plated fittings shall be cast brass chromium plated of the best quality approved by the Banks.

All Appliances, fittings and fixtures shall be fixed in a neat workmanlike manner true to level and heights shown on the drawings and in accordance with the manufacturers recommendations. Care shall be taken to fix all inlet and outlet pipes at correct positions. Faulty locations shall be made good and any damage to the finished floor, Filing Plaster, Paint, insulation or terrace shall be made good by the Contractor at his own cost.

Sanitary appliances, subject to the type of appliance and specific requirements, shall be fixed in accordance with the relevant standards and the following :

Contractor shall, during the entire period of installation and afterwards protect the appliances by providing suitable cover or any other protection so as to absolutely prevent any damage to the appliances until handing over. (The original protective wrapping shall be left in position for as long as possible).

The appliance shall be fixed in a manner such that it will facilitate subsequent removal if necessary.

All appliances shall be securely fixed. Manufacturers' brackets and fixing methods shall be used wherever possible. Compatible rust- proofed fixings shall be used. Fixing shall be done in a manner that minimizes noise transmission.

Pipe connections shall be made with demountable unions. Pipe work shall not be fixed in a manner that it supports or partially supports an appliance.

Appliances shall be fixed so that water falls to the outlet.

Appliances shall be fixed true to level firmly fixed to anchor or supports provided by the manufacturer and additional anchors or supports where necessary.

2.10 Sizes of Sanitary fixtures given in the Specifications or in the Schedule of Quantities are for identification with reference to the catalogues of makes considered. Dimensions of similar models of other makes may vary within $\pm 10\%$ and the same shall be provided and no claim for extra payment shall be entertained nor shall any payment be deducted on this account.

3.0 EUROPEAN WATER CLOSET:

WC shall be single or double siphonic wash down type floor/ wall mounted set, as shown in the drawings, flushed by means of a flushing cistern.

Each W.C. set shall be provided with a solid plastic seat of colour

given in the schedule of quantities, rubber buffers and chromium plated hinges. Plastic seat shall be so fixed that it remains absolutely stationary in vertical position without falling down on the W.C.

Flush pipe/bend shall be connected to the Water Closet by means of suitable rubber adapter.

Wall hung Water Closet shall be supported by C.I. chair.

4.0 URINALS:

Urinals shall be lipped type half stall white glazed vitreous china of best quality and size as mentioned in the Schedule of Quantities.

Half stall urinals shall be provided with 15 mm dia C.P. spreader, 32 mm dia C.P. domical waste and C.P. cast brass bottle trap with pipe and wall flange and shall be fixed to wall by C.I. brackets, C.I. wall clips and CP brass screws as recommended by manufacturer complete as directed by Bank's Engineers.

Flushing for urinals shall be by means of no hand operation, infra-red electric flush valve with complete kit of plumbing, infra-red photo cells, solenoid valve. The automatic flush sensor plate shall be flush and press fitted and be of high quality mirror polish finish. Each urinal shall be provided with one flush valve unit.

Flush pipes shall be GI pipes concealed in wall chase but with chromium plated bends at inlet and outlet or as given in Schedule of Quantities. These shall be measured and paid for separately.

GI waste pipes shall be provided for urinals wash basin, sink.

5.0 URINAL PARTITIONS:

Urinal partitions shall be white polished granite of size specified in the Schedule of Quantities.

6.0 WASH HAND BASIN :

Wash basins shall be coloured or white glazed vitreous china of best quality, size, shape and type specified in the Schedule of Quantities.

Each basin shall be provided with painted MS angle or CI brackets and clips and the basin securely fixed to wall. Placing of basins over the brackets without secure fixing shall not be accepted. The MS angle shall be provided with two coats of red oxide primer and two coats of synthetic enamel paint of make, brand and colour as approved by the Bank's Engineers.

Each basin shall be provided with 32 mm dia C.P. waste of standard pattern with pop-up waste or rubber plug and chain as specified in the Schedule of Quantities, 32 mm dia C.P. brass bottle trap and angle valve with C.P. pipe to wall and flange as given in the schedule of quantities.

Each basin shall be provided with single hole mixing fitting or as specified in the Schedule of Quantities.

Basins shall be fixed at proper heights as shown on drawings. If height is not specified, the rim level shall be 80 cms or as directed by Bank's Engineers.

7.0 SINKS :

Sinks shall be white glazed fireclay or vitreous china or stainless steel or any other material as specified in the Schedule of Quantities.

Each sink shall be provided with M.S. or C.I. brackets and clips and securely fixed. Counter top sinks shall be fixed with suitable painted angle iron brackets or clips as recommended by the manufacturer. Each sink shall be provided with 40 mm dia C.P. waste with china and rubber plug with CP Brass chain as given in the Schedule of Quantities. The MS Angle shall be provided with Two coats of red oxide primer and two coats of synthetic enamel paint of make, brand and colour as approved by the Bank's Engineers.

Each sink shall be provided with hot and cold mixing fittings or CP taps as specified in the schedule of quantities.

8.0 MIRRORS :

8.1 Mirrors shall be electro coated copper 5.5mm thick of approved make. The size shall be as specified in the Schedule of Quantities or as shown on the drawings. The image shall be clear and without waviness at all angles of vision.

8.2 **FOR DISABLED (AS PR.2** Mirrors shall be provided with backing of 12mm thick marine plywood or 6mm thick cement asbestos sheet fixed with CP brass semi round headed screws and cup washers or CP brass clamps as specified or instructed by Bank's Engineers.

9.0 TOILETS OVIDED IN THE DRGS):

9.1 Where specified in wash room facilities designed to accommodate physically handicapped, accessories should be provided as directed by the Project Manager.

9.2 Stainless steel grab bars of required size suitable for concealed or exposed mounting and non-slip gripping surface shall be provided in all washrooms to be used by physically handicapped as directed by the Project Manager.

10.0 ACCESSORIES:

10.1 All C.P. bib taps and Angle valves shall be quarter turn-type washerless fittings. The angle valve shall be provided with stainless steel mesh filter.

10.2 Contractor shall install all chromium plated stainless steel and powder coated accessories as shown on the drawings or directed by Bank's Engineers and given in the Schedule of Quantities.

10.3 All C.P. accessories shall be fixed with C.P. brass half round head screws and cut washers in wall with rawl plugs or nylon sleeves and shall include cutting and making good as required or directed by Bank's Engineers.

10.4 Joints/ gaps between all sanitary appliances/fixtures and the floor/ walls shall be caulked with an approved mildew resistant sealant, having anti-fungal properties, of colour and shade to match that of the appliance/ fixture and the floor/ wall to the extent possible.

10.5 TESTING :

All appliances, fixtures and fittings shall be tested before and after installation. Water seals of all appliances shall be tested. The Contractor shall block the ends of waste and ventilation pipes and shall conduct an air test with a pressure of 38mm water gauge for minimum of 3 minutes in accordance with BS:5572.

11.0 MEASUREMENT

11.1 Sanitary fixtures shall be measured by numbers.

11.2 Rate for providing and fixing of sanitary fixtures, accessories shall include all items, and operations stated in the respective specifications and Schedule of Quantities and nothing extra is payable.

11.3 Rates for all items under specifications paras above shall be inclusive of cutting holes and chases and making good the same, C.P. brass screws, nuts, bolts and any fixing arrangements required and recommended by manufacturers, testing and commissioning etc. complete.

11.4 Mirrors shall be measured on surface area basis in sqm/Nos.

BOQ FOR TOILET AT BKC GR. FLOOR

Sl. No.	Description of Items	Unit	Quantity approx.	Rate (₹)	Amount(₹)
1	<p>BRICK WORK: Demolition Of existing Brick wall: Bk. Wall to be demolished for providing entry to Gent's toilet which has to come next to Fire fighting shaft as shown in the Drawing (marked yellow). Debris shall be removed from site.</p> <p>Prior to breaking the wall the Wash basin along with Granite stone slab shall be removed care fully from Ladies toilet, so that same may be utilised elsewhere if so required. RCC wash basin counter may be broken completely. Debris shall be removed from site.</p> <p>Construction of Brick wall: Using bricks of minimum compressive strength 35 kg/sq.m, brick walls (115 thk) may be constructed in Cement mortar (1:4) to its true line & level all in complete as shown in drawing. (as hatched green). The rate shall also include for cleaning of surface & putting up matching tiles as per existing size & colour. Complete the work as per the drawings, details & specifications as per the direction of Bank's engineer and to the satisfaction of the Bank</p> <p>ELECTRICAL WORK INTERNAL LIGHTING AND POWER NETWORK P/ F light, tube point wiring with 1 sqmm pvc insulated copper wire and 16 swg copper earthing wire through 25 mm wide pvc casing N capping having double locking arrangement controlled by six 6 amp. Viney Courm ISI mark switch, ceiling, rose, angel, holder pvc copper wire of Polycab make casing N capping of precision make.</p>	<p>Sq. Ft.</p> <p>Sq.Ft.</p> <p>Sq. Ft.</p> <p>No</p>	<p>50</p> <p>150</p> <p>300</p> <p>06</p>		
2	<p>PLASTER: Providing & applying cement plaster 12mm thick in cement</p>	Sq.Ft.	300		

	mortar 1:4 (to take tiles as stated above) over the masonry surface to its true line & level , plumb line right angles etc. including curing etc. as per directions of Bank' engineer and to the satisfaction of the Bank.				
3	Wash hand basin to be provided in all the toilets i.e. in Ladies/ Gents & Handcapped toilets. All the basins may be installed with angle iron support at the specified height. Urinal location in the Gents toilet may be changed as shown in the drawing same urinals may be used along with partitions in between (removed from the earlier location). A new Toilet seat (European type) may be installed as shown in the drawing in the handicapped toilet.	WHB Urinal Repla ce Toilet seat	3 Nos. 2 Nos. 1 No.		
4	Removal of existing Door fixed to Gent's toilet & fixing the same to proposed Gent's toilet, a sliding door is to be installed for handicapped toilet as shown in the drawing with proper locking system & should be functional from the user's point of view.	Nos.	1 No. each		
5	SS bars (handrails) may be provided in the Handcapped toilet for the support required for the movement of wheel chair as shown, at the height of 750 mm from finish floor (as shown in the drawing).	R Ft.	15		
6	Provision of Aluminum False ceiling (existing type) wherever damaged.	Sq. Ft.	50 Approx.		
7.	For laying supply /. Disposal pipes, traps etc. below the floor or inside the walls shall be rectified in place keeping same specification as existing.	Sq. Ft.	50 Approx.		
Total					
In Word (Ruprees)					

Date

Signature

Place

Name and Address of Contractor

**BOQ FOR CONSTRUCTION OF RAMP AT BKC GR. FLOOR
FOR THE ACCESS OF WHEEL CHAIR IN SIDE THE OFFICE PREMISES.**

Sl. No.	Description of Items	Unit	Quantity approx.	Rate (₹)	Amount-(₹)
1	Provision of Iron Angle (50x50x05 m.m. weighing 3.8 Kg/ Mt.) frame work to support the ramp which is located by the side of rear service entrance door to office premises as per the enclosed drawing. These supports will be embedded in ground with Concrete filling. The height of the support sections shall be kept as per the defined slope of the Ramp i.e. 1:10. The frame will be placed & embedded in ground at every 3'-0" c/c. Top angle of the frame shall be welded as per defined slope as indicated above. The Iron Angle will be embedded approx. 6"-9" deep with conc. filling inside the ground depending on the desired strength. All the Iron angles / flats shall be painted with anti – corrosive paint with prior coating of anti corrosive primer.	Kg/ Mt length	95 Kg. total Wt. (25. 0 mts. x 3.8 Kg.)		
2	Provision of SS Handrail on both side of the ramp as is shown in the drawing. Supplying, fabrication & fixing of weld-free modular Stainless Steel Hand rail made of AISI-304: straight & continuous, at a height of 850 mm (2'-9") from finished Ramp level, to be made of existing dia. SS Pipe. Balusters also of same quality & of existing dia. SS Pipe, welded to cover plate of 50 mm x 50 mm x 12 mm thk at c/c where support for the ramp is located. The handrail shall be attached with existing handrail placed at platform existing towards ATM(railing in front of ATM shall be retained in existing position. Baluster : SS Pipe (as exist on site). Handrail : SS Pipe (as exist on site).	R.Mts . R.Mts .	10 Mts. 30 Mts.		
3.	4 MM thk. Iron flat shall be welded along the length in the center of the Ramp width (as shown in the	Sq. Mts.	6.0 S Mt. Approx.		

	drawing). On this Iron frame 19 mm thk. Marine ply / board may be fixed with screw & over which 2 mm thick chequered steel plate may be fixed.				
4	Provision of 2 mm thick chequered Aluminium plate on sides & on the top surface of the frame work to form the ramp in shape. The plate shall be screwed at 12" c/c placing. First 2 mts. in the beginning of the ramp it may be filled with concrete since angle iron frame may not be possible to give support due to sharp slope. The side plate should be over lapped by the plate covering the top of the ramp. Entire ramp including concrete part shall also be covered with chequered aluminium sheet.	Sq. Mts.	12 Sq. Mts. Approx.		
5.	Removal of existing railing over the steps & use the same railing by the side of ramp. New railing may be fixed to the side of raised platform (plinth level) which is +2'-3" high from ground level.	R.Mts	2.0 Mts Approx.		
6	Breaking Brick wall as shown in the drawing for increasing the door width for the movement of Wheel chair. (increasing from 2'-3" clear opening to 3'-9" clear opening as per standards).	Sq. Mts.	3.5 Sq.mts Approx.		
7	Door frame will have to be changed along with door panel & floor spring with the dimension to fit in the revised opening size (approx 4'-2").	No.	1		
8	Fixing of tiles of existing size & colour on the column after breaking the wall so to retain the same elevation within the passage leading to Reception area.	Sq. Mts.	3.5 Sq.mts Approx.		
	TOTAL AMOUNT				
In Word (Ruprees)					

Date

Place

Signature
Name and Address of Contractor

Technical Specification:

1. General

During execution of the job, it is very essential that proper and adequate inspection should be made constantly by the contractor to maintain quality of workmanship and to ensure that deviations from SIDBI's requirement not exceed the permissible limits, which shall be approved by SIDBI. **The contractor shall submit test reports of all materials being procured by them for the job and also offer for inspection by SIDBI. All the testing charges shall be borne by the contractor.** SIDBI shall carry out the inspection of quality of material being purchased/arranged, quality/composition of materials used during construction work and workmanship. Decision of SIDBI shall be binding on the contractor.

Contractor shall furnish the manufacturers test certificate for the steel, motor, electrical equipments procured by them. Apart from this any field test shall be arranged by contractor for any materials either at site or near by Field Quality Lab. approved by SIDBI if so desired by SIDBI. All the expenses in these regards shall be borne by contractor.

Contractor shall procure iron reinforced/ structural steel & electrical equipments from reputed manufacturer & approval for the same shall be obtained from SIDBI well in advance before ordering for the materials.

2. Bad Workmanship

SIDBI shall, during the progress of the works, have power to order the removal within such reasonable time or times as may be specified in the order, of any materials which in his opinion are not in accordance with the specifications or his instructions; the substitution by proper materials; and the removal and proper re-execution of any work executed with materials or workmanship not in accordance with the drawings, specifications or instructions, and the Contractor shall forthwith carry out such order at his own cost.

In case of default on the part of the Contractor to carry out such order, the SIDBI shall have power to employ and pay other persons to carry out such work and all expenses consequent thereon or incidental thereto shall be borne by the Contractor and shall be recoverable from him or may be deducted from any monies due or that may become due to him.

3. The contractor shall visit the site and ascertain the local conditions, entry and traffic restrictions, all obstructions in the area and also ascertain all site conditions and particularly the building structure conditions etc. The contractor shall carry out the survey to study the properties of soil/sub soil like strength to withstand the weight of structure during all weather conditions without sinking of foundation. If any of such defects like cracks, sinking of foundation etc. occur after completion of work till the performance guarantee period, it shall

be rectified by contractor free of cost including the supply of materials

required. No claim shall be entertained on this account under any circumstances from the contractor.

4. The contractor shall take adequate precautions to ensure complete safety and prevention of accidents at site. The safety precautions shall conform to IS codes wherever applicable.

5. The contractor shall level the site in accordance with the sequence of earth leveling to maintain the proper gradient as per the instruction of SIDBI; as soon as construction activity is over. Payment towards this shall be released as per the relevant items available in B.O.Q.

6. The work though not specifically mentioned either in the drawings or in the tender specification but are needed to complete the work as per site requirement & instruction of SIDBI are also in the scope of this contract & to be erected to the entire satisfaction, for which the payment shall be released as per the respective item rate of **Rate Schedule. If the item is not available in the rate schedule the rate shall be derived as per CPWD rate schedule latest version.**

7. The contractor shall provide and maintain at his own cost all T & P for carry out the work. The T & P shall be for fabrication of the structures and for the purpose of erection of shutter, gate, fence etc complete.

8. The fabrication and erection of structural steel work shall be in compliance with:

(a) General specifications for structural steel work as per IS:800.

(b) Necessary drawings to be prepared by the contractor to be got approved through BANK before execution of work.

9. The fabrication and erection of steel work shall consist of accomplishing of all jobs including providing all labour, tools and plant, all materials and consumables such as welding electrodes, bolts and nuts (GKW Quality) Oxygen and Acetylene gases, oils for cleaning, etc., all of approved quality as per the relevant IS Specifications. The work shall be executed according to the drawings, specifications and relevant IS codes in an expeditious and workmanlike manner and of best standard to the complete satisfaction of the Engineer .

10. All materials shall be new and shall conform to the respective specifications as specified. The use of equivalent or higher grade or alternative materials will be considered only in very special cases subject to the approval of the Engineer .

11. Structural steel shall conform to IS:226 or IS:2062. Steel plates for crane girders shall conform strictly to IS:2062. Bolts and nuts shall be of GKW Quality and in accordance with IS: 1363.

12. The fabrication work shall be done in accordance with IS: 800, in addition to the following:

(a) The fabrication work shall be done as per the approved fabrication drawings or as directed. The connections shall be welded or bolted as per the approved drawings or as directed. The work shall include also fabrication of built up section, if required. Any fault fabrication pointed out at any stage of the work by BANK shall be made good by the contractor at his own cost.

(b) The structural steel member shall be cut mechanically or by oxy-acetylene flame. All edges cut by oxy-acetylene process shall be cleaned of all slag materials prior to assembly. Edge preparation for welding of members more than 10mm thick shall be done by edge cleaning machine only.

(c) All bolt holes shall be drilled. The drilling shall be made to the diameter specified in the drawings. No enlarging of holes by filling, by man drilling or oxy-acetylene flame shall be allowed.

(d) The assembly of structural members shall be done with proper jigs and fixtures to ensure the correct positioning of the members. The first component / assembly fabrication in such jigs and fixtures shall be inspected thoroughly by the contractor and then offered to the Engineer for approval before proceeding with the fabrication.

(e) All welding shall be done either manually by the shielded metallic arc process. Welding shall be carried out only by fully trained and experience approved welders. All welds shall be usually made continuous and watertight. The welding electrodes shall conform to IS:816, low hydrogen type covering or equivalent.

13. ASSEMBLY & CONNECTIONS

13.1 Field connections may be effected either by riveting, bolting, welding or by use of high strength friction grip bolts as specified in the design and erection drawings.

13.2 All bolts, nuts, washers, rivets, electrodes required for field connections shall be supplied by CONTRACTOR/Erector free of cost.

13.3 All assembling shall be carried on a level platform.

13.4 Drifts shall be used only for drawing the work to proper position and must not be used to such an extent as to damage the holes. Size of drifts larger than the nominal diameter of hole shall not be used. Any damaged holes or burrs must be rectified to the satisfaction of ENGINEER.

13.5 Corrections of minor misfits and reasonable amount of reaming and cutting of excess stock from rivets shall be considered as a part of erection. Any error in the shop, which prevents proper fit on a moderate amount of reaming and slight chipping or cutting, shall be immediately reported to ENGINEER.

14. ERECTION

14.1 All structural steel shall be erected as shown on the drawings.

Proper size steel cable slings, etc., shall be used for hoisting. Guys shall not be anchored to existing structures, foundations, etc. unless so permitted by ENGINEER in writing. Care shall be taken to see that ropes in use are always in good condition.

14.2 Steel columns in the basement, if any, are to be lowered and erected carefully with the help of a crane and/or derrick without damaging the basement walls steel or floor.

14.3 Structural steel frames shall be erected plumb and true. Frames shall be lifted at such points that they are not liable to buckle and deform. Trusses shall be lifted only at node points.

14.4 Chequered plates shall be fixed to supporting members by tack welding or by countersunk bolts as shown/specified in relevant drawings and/or as directed by ENGINEER. The edges shall be made smooth and no burrs or jagged ends shall be left. While splicing, care should be taken so that there is continuity in pattern between the two portions. Care should also be taken to avoid distortion of the plate while welding. The erection of chequered plates shall include :

- a) Welding of stiffening angles/vertical stiffening ribs
- b) Cutting to size and making holes to required shape wherever necessary to allow service piping and/or cables to pass through
- d) Smoothing of edges
- e) Fixing of chequered plates by tack welding or by countersunk bolts

14.5 As erection progresses, the work shall be securely bolted to take care of all dead load, wind, seismic and erection stresses.

14.6 No riveting or welding or final bolting shall be done until the structure has been properly aligned and approved by ENGINEER. No cutting, heating or enlarging of the holes shall be carried out without the prior written approval of ENGINEER.

14.7 Test certificates shall be furnished by CONTRACTOR.

15. SURFACE TREATMENT

15.1 All the surfaces of steel work to be painted shall be thoroughly cleaned of all loose mill scale, rust, grease, dirt and other foreign matter. The type of surface treatment shall be as specified in the respective item of work. The workmanship shall generally conform to the requirements of IS 1477-Part I.

15.2 Oil and grease removal shall be carried out either by solvent cleaning or by using alkali type degreasing agents. To remove grease material the surface shall be cleaned with solvents containing emulsifier. After cleaning, the surface shall be washed with water. When the surface has cement pelts or salts, the cleaning shall be done with strong alkalies. After cleaning, water rinsing and subsequent passivation by dilute chromic acid rinsing shall be

carried out to ensure that no traces of alkali is left on the surface. The procedure for cleaning by above mentioned methods shall be as per manufacturers instructions.

15.3 Derusting and descaling of steel shall be carried out manually.

15.3.1 Manual Or Hand Tool Cleaning

Loose mill scale, loose rust and loose paint shall be removed by wire brushing, scrapping, chipping and rubbing with abrasive paper or steel wool. This method shall not be employed when the surface has firmly adhering mill scale. After hand tool cleaning, the surface shall be rubbed with sand paper so as to ensure that no loose material exists and the surfaces shall be dusted off.

16. MATERIALS

16.1 Primer Paint

16.1.1 Anti-corrosive primers shall be lead free types. The types of primers shall be as follows:

16.1.2 The two coat Zinc Phosphate Red Oxide primer shall be applied for all general purpose structural steel work painting. For repainting of such structural steel work one coat of Zinc Phosphate Red Oxide primer shall be used.

16.1.3 For highly corrosive atmosphere or the coastal zones, one coat Of Zinc Ethyl Silicate primer shall be used for the new structural steel painting. However, for repainting of structural steel work in highly corrosive atmosphere or coastal zones one coat of Modified Aluminium Epoxy mastic shall be applied.

16.2 Finish Paint

16.2.1 For highly corrosive atmosphere or coastal zones, an undercoat of Epoxy Polyamide Micaceous Iron Oxide (MIO) shall be used and Synthetic enamel paint for finish coat conforming to IS 2932/IS 2933 shall be used. For repainting of structural steel work in highly corrosive atmosphere two coats of Synthetic Enamel Paint shall be used.

16.2.2 Two coats of heat resistant Aluminium paint shall conform to IS: 13183 and shall be used for all general purpose finish coat on new or old structural steel work.

16.3 All the materials shall be of the best quality from an approved manufacturer. CONTRACTOR shall obtain prior approval of the ENGINEER for the brand of manufacture and the colour/shade prior to procurement for usage in the works.

16.4 Primer and finish paints shall be compatible with each other to avoid cracking and wrinkling. As such it is recommended that the primer and finish paint shall be from the same manufacturer.

16.5 The colour and shade shall conform to IS Standards of IS 1477-Part II. To facilitate choosing the correct shade/number from the alternatives available, CONTRACTOR shall adopt trial painting in small patches in consultation with and as directed

by the BANK/ENGINEER.

16.6 All paint delivered to the fabrication shop/site shall be ready mixed, in original sealed containers, as packed by the manufacturer. Thinner shall not be permitted for usage unless specifically directed by the ENGINEER.

16.7 Paints shall be stirred thoroughly to keep the pigment in suspension.

16.8 CONTRACTOR shall at his own cost arrange for testing of paints as per relevant Indian Standards in standard laboratory whenever BANK wants the tests to be carried out for each batch of paints. Test results shall be submitted to the BANK for obtaining approval.

17.0 Technical Specification Stainless steel Hand rail:

01. STAINLESS STEEL a. Where stainless steel is specified, it shall be what is known to the trade as austenitic 18-8 *Type 304) hair line finish.

b. Stainless steel shall be free from scale and all surfaces shall be polished at a No.4 commercial finish.

02. WELDING

All welding shall be done by the electric fusion, metal method. Carbonic or gas welding will not be permitted. All welding shall be done in a thorough manner, with welding rod of same composition as sheets or parts welded. Welds shall be complete welds, strong and ductile, with excess metal ground off and joints finished smooth to match adjoining surfaces.

03. HANDLES, BRACKETS, LOCKING DEVICES AND HARDWARE

Wherever equipment is provided with handles, knobs, hinges, brackets and locks or other miscellaneous hardware, all shall be of either heavy Satin Finish Chrome Plated Brass or Stainless Steel.

04. GRINDING, POLISHING AND FINISHING

All welded exposed joints shall be suitably ground flush with adjoining material & neatly finished to harmonize therewith. All ground surfaces shall then be polished (Satin finish No.4) and buffed to match adjoining surface, consistent with good workmanship.