

Event Catalogue

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Select Event No.:

SPMCIL/Currency Note Press Nashik/Purchase/12/22-23/ET/70[Repair and Renovation of Cante] ▼

Event Details

Event No: SPMCIL/Currency Note Press Nashik/Purchase/12/22-23/ET/70[Repair and Renovation of Cante]				Event Status
Trade: Works				Event Activated
Description of Event: Repair and Renovation of Cante				Activities
Mode: E-Tender_HTML	Type of Tender: Open	Bid Submission: Eventwise	Public Opening: YES	Published on: 2022-06-06-10.50.21.652768 Activated on: 2022-06-10-12.19.05.854700
EMD: 50000.00 (In Rs.) Bank Details		Document Upload: YES		Tender Extended on: -
Tender Fee: Not Applicable (In Rs.) Bank Details		Coverwise Document Upload: YES		Tender Opened on: -
Estimated Value: 2466974.00				Price Opened on: -
				Event Cancelled on: -
Online Pre Bid Meeting	Bidding Period	Tender Opening Period	Price Bid Opening Date	
Not Applicable	10.06.2022 - 12:30 PM To 11.07.2022 - 02:00 PM	11.07.2022 - 02:01 PM To 11.07.2023 - 02:01 PM	-	

List Of Tender Document

Sl. No.	Document Details	Document Type	Action
1	22-23-ET-70[Repair and Renovation of Cante]-167115-ADD-1122492-Pricebidsigned.pdf 10/06/2022 12:04:27	ADDENDUM	Download
2	22-23-ET-70[Repair and Renovation of Cante]-167115-NIT-1120529-Canteen.pdf 06/06/2022 10:49:59	NIT	Download

Vendor Document Upload Checklist For Pre Qualification COVER

Sl. No.	Document Details
1	All the required documents as per Section IX Eligibility Criteria of Tender Document
2	Duly sealed and signed as per instructions provided in the various sections.

Vendor Document Upload Checklist For Price COVER

SI. No.	Document Details
1	Bidder has to submit duly filled price schedule in the format attached in the addendum

Tender Committee Members

Name	Designation	Office	Department	Email	Mobile No.	Encrypt public expi data
VUPPALA KIRAN KUMAR	Jt. General Manager	Currency Note Press Nashik	Purchase,HR,Technical,Finanace,IT,Marketing,R and D,Others	V.Kirankumar@spmcil.com	9096000418	2022-00:00:
TUSHARKUMAR PRAKASH MAHAJAN	DGM	Currency Note Press Nashik	IT	tushar.mahajan@spmcil.com	8275022966	2022-00:00:
BHARATI DHIRENDER SHARMA	MANAGER	Currency Note Press Nashik	Finanace	bharati.sharma@spmcil.com	8888635230	2022-00:00:

Pre-Qualification Terms

ELIGIBILITY CRITERIA		
SI.No	Terms	Component
1	Experience and past performance: The bidder should have experience of having successfully completed similar works during last 7 years ending on 31.03.2022. a. Three similar completed works each costing not less than the amount equal to Rs. 9,87,000/- or b. Two similar completed works each costing not less than the amount equal to Rs. 12,34,000/- or c. One similar completed work costing not less than the amount equal to Rs. 19,74,000/-.	Agree Only
2	Capacity and Capability Criteria: The bidder should be enlisted in either Central Public Works Department (CPWD) or Military Engineering Services (MES) or any other Government / PSU / Autonomous bodies.	Agree Only
3	Financial Standing: (a) Average Annual Turnover of the Bidder firm during last three years ending March 2021 should be more than Rs. 9,87,000/-. (b) Bidder firm should not have suffered any financial loss for more than one year during the last three financial years ending March 2021. (c) The net worth of the firm should not be negative and should not have eroded by more than 30% in the last three financial years ending March 2021.	Agree Only
4	The bidder should give a declaration that they have not been black-listed/ debarred for dealing by Government of India/State Government/PSU in the past.	Agree Only
5	The bidder should submit Power of Attorney of the Authorized Signatory for signing the bid, entering in to contract, if awarded and for any other correspondences.	Agree Only
6	The bidders shall enclose attested copy of GST Registration Certificate (in Reg-06 Format) & attested PAN Card Copy.	Agree Only
7	The bidder should give undertaking/declaration that they have read and understood all the terms & conditions of tender documents and submitting unconditional acceptance to all terms & conditions.	Agree Only

Common Terms

TERMS AND CONDITIONS		
SI.No	Terms	Component

1	<p>Terms and Conditions 1. The contractor shall compulsorily inspect the site and satisfy himself about the actual site conditions and collect all other information which is required by him before tendering for the work. 2. The scope of work is construction and maintenance of civil works outside plant area within CNP premises. 3. The Contractor shall make himself fully conversant with the locations and the type of jobs to be carried out therein so that he clearly understands the scope of work and assess the requirement of resources required to complete the work in scheduled time. Contractor to check and inform for any discrepancies/queries in contract document before quoting. Same shall be brought in notice of CNP and seek clarification for the same. No grievances shall be entertained at later stage. 4. The work is to be carried out in designated area and contractor will have to work strictly as per instructions of Engineer-in-charge EIC and obtain permission in standard format for every employee working for him, who are liable for physical check by competent authority as decided by Engineer-in-charge EIC at any time. 5. In case during the execution of contract or thereafter at any later stage, including after the completion on contract, it comes into the knowledge of CNP or any of its employee that the information submitted by the contractor regarding experience etc., is false, CNP shall have the right to terminated the contract immediately without assigning any reason thereof and get the remaining jobs executed at the risk and cost of contractor besides blacklisting it for further dealings of CNP. 6. All materials and consumables are in scope of contractor including sand, cement, steel all consumables etc. CNP will not be liable to provide any of the materials/consumables. No material/tempart shall be provided by CNP. 7. Arrangement of skilled unskilled labours operators, tools tackles, mobilization, demobilization, insurances, wages, overtime charges, lodging/boarding, transportation, accommodations, food of labour etc. will be in contractors scope. 8. Any idling of labours due to non-availability of resources of contractor will be on account of contractor. CNP will not entertain any claim towards the same. 9. Supply of materials and deployment of tools and tackles to complete the job will be in contractors scope. All supplied materials shall be entered inside CNP premises on proper gateentry pass via entry gates. Record of same needs to be maintained. 10. Electricity supply, if required, will be provided by CNP at the site but responsibility of safe use of electricity will be lie on the contractor. 11. The working time will be between 08:00 AM to 05:00 PM including lunch hour on working days only. 12. The contractor shall take necessary safety precautions while carrying out the work. The contractor shall be responsible for safety of their supervisors and workmen while working. In the event of any untoward incident, the contractor shall be fully responsible and CNP shall not take any responsibility for any such untoward incident. 13. The contractor shall provide PPE like helmets, fall body harness, etc to their workmen while working at site. 14. The contractor shall take all requisite and necessary care to observe that no damage is caused to the existing pipelines, existing works, storm water drains, service road, existing cables or any other structure etc. For any damage to the existing structures of the CNP, the contractor shall be held responsible and he will have to rectify the damage immediately up to the satisfaction of Engineer-in-charge EIC, at his own cost. 15. The contractor shall always keep the construction area free from accumulation of waste or rejected materials and maintain proper housekeeping. Prior to the completion of the work the contractor shall remove all rubbish from and about the premises, and all tools, scaffolding, equipment and materials which are not part of permanent structure with arrangement of vehicle etc at his cost. 16. Joint Measurement Record JMR for each and every job to be maintained and record of same shall be kept by contractor. Same to be submitted to CNP on weekly basis for checking and verifying. Any delay in submission of JMR will be on account of contractor and same shall affect billing cycle. 17. Rates will be firm for entire duration on contract. No escalation will be provided for entire period of contract. 18. The defect liability period of the work is 12 months from completion of work. The contractor shall be liable to rectify any defect in quality of material used, due to workmanship or any other defects arising out of the work in this period. 19. In case of any discrepancy in technical data details and specifications, clarification should be obtained from Engineer-in-charge EIC, whose decision shall be final and binding on the contractor.</p>	Agree Only
2	<p>List of Approved Brands and Manufacturers for Materials to be used on site: Sr. No. Description of Material Supplier/Vendor/Brand Name 01. Cement Ultratech, Birla Corp, ACC Limited, Grasim, Larson Toubro, Gujarat, Ambuja Cements Ltd., Century cement, J.K. Cement or Equivalent. 02. Structural steel and reinforcement steel SAIL, Tata Steel, Vizag, Jindal or Equivalent. 03. Non Asbestos Cement Roofing Sheets Everest, Charminar, Ralco, Ramco, Swastic or Equivalent. 04. Pre-coated G.I. Roofing Sheets Tata Steel, Jindal Steel, Nippon Denro 05. Anti-termites Chloropyrphous Chemical PECOPP or Equivalent. 06. Ceramic Tiles Spartek, Somani, Pilkington, Kajaria, Varmora, Bell, RAK, NITCO, Johnsons or Equivalent. 07. Glazed Tiles M/s H.R. Jonson, Somani, Pilkington, Varmora, Parasuram Pottery or Equivalent. 08. Vitrified Tiles Kajaria, Bell, RAK, Varmora, Jonson, NITCO or Equivalent. 09. Pressed Steel Door Frame WINDOORS, Nishan Solid Door frame, Anjali Enterprises, M/s. Sunbeam or Equivalent. 10. Flush door shutter Kutty Flush doors, Anchor, Kitlam, National Pashupati Plywood, Jain Plywood, Kitply or as per ISI mark or Equivalent. 11. Commercial Plywood/Marine Plywood Duruply (Green marked, BWR Grade), Kitply, Archidply, Century, Duro, Anchor, Sard Plywood Industries., or Equivalent. 12. Plastic Laminates Formica, Marino, Neoluxe, Bakelite Hylam, Greenlam, Decolam, Century Plaza, Durian or Equivalent. 13. Pre-laminated particle board Archidply, Kitlam, ActionTESA, Asis, Greenlam or Equivalent. 14. Adhesives Fevicol Marine (water resistant) or Equivalent. 15. Screws Nettleford / GKW or Equivalent. 16. Steel Doors/windows Senharvic, Agew, Sentinal, Multiwin, Hope Metal, Godrej, Windows, NCL Secolor or Equivalent. 17. Aluminium Sections/Extrusions Indian Aluminium co. (Indalco), Hindustan Aluminium (Hindalco), Jindal or Equivalent. 18. Glazing, Glass of Doors /Windows Modi Guard, Saint Gobain, Asahi India, Pilkington, Triveni, Shri. Vallabh or Equivalent. 19. Water Proofing Compound Accoproof, Cico, Imperno, Fosroc, Kothari, Sunanda specialty, Dr. Fixit, Dr. Beck, Pidilite or Equivalent. 20. Concrete Admixtures Structural water proofing co., Fosroc chemicals, Sika, Sunanda speciality, Dr. Fixit, Dr. Beck, or Equivalent. 21. Rolling Shutters & Grilles Steelage India, Swastik or Equivalent. 22. Red Oxide Shalimar, Asian, ICI, Nerolac, Garware Paints or Equivalent. 23. Oil Bound Distemper Asian (Tracto), Nerolac (NAD), Berger (Bison), ICI (Maxi-lite) or Equivalent. 24. Acrylic Emulsion internal paint Beger (Laxol silk), Asian (Royale), Nerolac (Allscape), ICI (Velvet), Jenson & Nischolson or Equivalent. 25. Primer, Paints & Distempers Jenson & Nicholson, Berger, Asian, Nerolac, ICI or Equivalent. 26. Waterproof Cement Paint Supersnowcem, Nitcocem, Nitcote or Equivalent. 27. Acrylic Emulsion Exterior Paint Asian, Nerolac, ICI, Berger or Equivalent. 28. Synthetic Enamel Paint Asian (Apolite), Nerolac (NST), ICI (Dulux), Berger (Luxol) or Equivalent. 29. Door Closers, Floor Springs Everite, Godrej, Garnish or Equivalent. 30. Hardware Godrej, Shalimar or Equivalent. 31. Sanitary ware installations Hindustan Sanitaryware, Parryware, Neycer, Cera or Equivalent. 32. CPVC Pipes Kitec, Astral, Prakash-Surya, Ashirvad, Flowguard. 33. G.I. Pipes Tata, Swastic, Zenith, Jindal, Hissar, Prakash-Surya 34. Plumbing G.I. Fixtures, C.P. Brass bathroom fittings Jaguar, Essco, Kohler, Parko, Marc, Nova, Cera, Zoloto, Leader, KS, Unik, R Brand or Equivalent. 35. Stainless Steel Sink Nirali, Hindware, Cobra, Frankee 36. PVC Water Tanks Sintex, Simplex, Star, Lotus, Plasto, Sepreme or Equivalent. 37. PVC Flush tank Hindware, Parryware, Kamal, Vikig, Johnson, Shakti, Cera or Equivalent. 38. UPVC pipes for drainage and rain water Prince, Finolex, Supreme, Plasto, Ashirvad or Equivalent. 39 Pre-coated metal sheets Interarch, Meta Colour, CRIL, Ispat or NCL or Equivalent. Note: If any of the materials are missed out in approved make or equivalent, then the decision of user department/executing officer decision shall be final and binding on the contractor.</p>	Agree Only

3	Quality Control Requirements 1. All jobs in the contract are to be carried out under proper supervision. The contractor must ensure effective supervision of all the jobs carried out through experienced and adequately qualified supervisors. 2. The work should be carried out as per standard specifications of CPWD Vol-I & Vol-II 2019. In lieu of which relevant IS specification from Bureau of Indian Standards (BIS) will be followed. The work shall be executed as directed by Engineer-in-charge (EIC). 3. The material to be used on the site shall be as per approved brand and make, enlisted herewith the tender. 4. The sample of each type of material used on the site shall be got approved before execution from the Engineer-in-charge (EIC). 5. The testing of materials shall be done as per requirement and as directed by the Engineer-in-charge (EIC).	Agree Only
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Lot No : 1

Lot Name	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
Repair and Renovation	Civil Works	Repair and Renovation of Canteen Building of CNP	1.0 Activity	INR	-	-

Lot No: 1 Specific Terms

TECHNICAL SPECIFICATIONS		
Sl.No	Terms	Component

1	<p>1 Dismantling tile work of thickness 10 mm to 25 mm in floors and roofs laid in cement mortar including stacking material within 50 metres lead. Quantity 443.97 m² 2 Demolishing brick work in cement mortar 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. Quantity 6.90 m³ 3 Dismantling doors, windows and clerestory windows steel or wood shutter of area 3 sq. metres and below including chowkhats, architrave, holdfasts etc. and stacking within 50 metres lead. Quantity 25.00 EA 4 Taking out doors, windows and clerestory window shutters steel or wood of area 3 sq. metres and below including stacking within 50 metres lead. Quantity 12.00 EA 5 Dismantling W.C. Pan of all sizes including disposal of dismantled materials ic malba all complete as per directions of Engineer-in-Charge. Quantity 19.00 EA 6 Dismantling of flushing cistern of all types C.I.PVC/Vitrious China including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead. Quantity 6.00 EA 7 Dismantling 15 to 40 mm dia G.I. pipe exposed on wall including stacking of dismantled pipes within 50 metres lead as per direction of Engineer in-Charge. Quantity 34.60 m 8 Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead. Quantity 41.00 m 9 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 50 m initial lead, for all leads including all lifts involved. Quantity 4.84 m³ 10 Brick work with common burnt clay machine moulded perforated FPS non-modular bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level up to floor five level in cement mortar 1:6 1 cement : 6 coarse sand. Quantity 4.42 m³ 11 Half brick masonry in cement mortar 1:4 with common burnt clay F.P.S. non modular bricks of class designation 7.5 in superstructure above plinth level up to floor V level. Quantity 4.90 m² 12 Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut granite stone slab of colour black, cherry/ruby red for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 1 cement : 4 coarse sand, joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Quantity 36.66 m² 13 Providing edge moulding to 18 mm thick Granite stone work counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete. as per design approved by Engineer-in-Charge. Quantity 38.80 m 14 Extra for fixing marble granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete. Quantity 38.80 m 15 Extra for providing opening of required size shape for wash basin kitchen sink in kitchen platform, vanity counter and similar location in marble/Granite stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete. Quantity 5.00 EA 16 Providing and fixing granite stone slab of approved slab with table rubbed, edges rounded and polished, of size 75x50 cm deep and 1.8 cm thick, fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size as per direction of Engineer-in-charge and finished smooth, embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size as per direction of Engineer-in-charge and finished smooth. Quantity 2.40 m² 17 Providing and laying 600 mm x 600 mm glazed Vitrified tiles Matt/Antiskid finish in floor thickness to be specified by the manufacturer with water absorption less than 0.08 and conforming to IS:15622, of approved brand manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 1 cement: 4 coarse sand jointing with grey cement slurry 3.3 kgsqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only. Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily. Quantity 210.56 m² 18 Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS : 15622 thickness to be specified by the manufacturer of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 1 cement: 3 coarse sand and jointing with grey cement slurry 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete. Quantity 111.88 m² 19 Providing and Fixing Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm average thick cement mortar 1:3 1 cement: 3coarse sand and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete. Quantity 22.12 m² 20 Providing and fixing to existing door frames 30 mm thick Fiberglass Reinforced Plastic F.R.P. flush door shutter in different plain and wood finish made with fire retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate all around, with suitable wooden blocks inside at required places for fixing of fittings and polyurethane foam PUFF/Polystyrene foam to be used as filler material throughout the hollow panel, casted monolithically with testing parameters of F.R.P. laminate conforming to table - 3 of IS: 14856, complete as per direction of Engineer-in-charge. Quantity 11.06 m² 21 Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters over all area of door shutter to be measured. Quantity 1.99 m² 22 Providing and fixing second class teak wood panelling or panelling and glazing in panelled and glazed shutters 25 mm to 40 mm thick for doors, windows and clerestory windows Area of opening for panel inserts excluding portion inside grooves or rebates to be measured. Quantity 7.06 m² 23 Providing and fixing Pre-laminated medium density fibre board 25 mm thick conforming to IS: 14587:1998 marked, with one side decorative lamination other side balancing lamination Grade-I exterior grade in Shelves with screws and fittings wherever required, edges to be sealed with PVC edge bending tape 2.00 mm thick of approved brand fittings to be paid separately. Quantity 16.20 m²</p>	Agree Only
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2	<p>24) Providing and fixing 25mm thick pre-laminated medium density fibre board exterior grade (Grade-I) IS:14587:1998 marked with one side decorative and other side balancing lamination for cupboard Shutters edges to be sealed with PVC edge bending tape 2.00 mm thick of approved brand including ISI marked nickel plated bright finishing M.S. piano hinges conforming to IS:3818 marked with necessary screw etc complete. Quantity = 11.80 m² 25) Providing and fixing 125 mm bright /matt finished Stainless Steel handles of approved quality & make with necessary screws etc all complete. Quantity = 6.00 EA 26) Providing and fixing readymade 304 grade stainless steel Modular kitchen basket and accessories such as right angle basket (Plain Cup & Saucer, plant, Partition, Bottle rack, Thai, Cutlery) kitchen utensil basket, Dinner set basket, kitchen grain basket, Multipurpose basket as per site requirement including finishing (wherever required) and fittings. The same shall be fixed with necessary stainless steel nuts & bolts, Stainless Steel screws & telescopic channel etc. as per direction of Engineer-in-charge. (For payment purpose only weight of Stainless steel basket shall be considered excluding weight of all fixing accessories such as nuts, bolts, fasteners telescopic basket channels etc. (Payment of providing and fixing telescopic channel shall be paid separately) Quantity = 28.00 Kg 27) Providing and fixing stainless steel soft closing heavy type telescopic drawer channels of approved make 500 mm long with screws etc. complete as per directions of Engineer- in-charge. Quantity = 18.00 Set 28) Providing and fixing white vitreous china Orissa pattern water closet squatting pan (Indian type W.C. pan) of size 580 mm x 440 mm with integral type foot rests with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required. Quantity = 2.00 EA 29) Providing and fixing white vitreous china extended wall mounting water closet of size 780 x 370 x 690 mm of approved shape including providing & fixing white vitreous china cistern with dual flush fitting, of flushing capacity 3 litre/ 6 litre (adjustable to 4 litres / 8 litres), including seat cover, and cistern fittings, nuts, bolts and gasket etc complete. Quantity = 3.00 EA 30) Providing and fixing white vitreous china battery based infrared sensor operated urinal of approx. size 610 x 390 x 370 mm having pre & post flushing with water (250 ml & 500 ml consumption), having water inlet from back side, including fixing to wall with suitable brackets all as per manufacturers specification and direction of Engineer-in-charge. Quantity = 5.00 EA 31) Providing and fixing White Vitreous China Wash basin of size 630x450 mm with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require. Quantity = 4.00 EA 32) Providing and fixing PTMT Bottle trap 31mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms for Wash basin and sink. Quantity = 13.00 EA 33) Providing and fixing 100 mm dia. centrifugally cast (spun) iron socket & spigot (S&S) pipe for soil, waste and vent pipes as per IS: 3989 pipes. Quantity = 22.00 m 34) Providing and filling the joints with spun yarn, cement slurry and cement mortar 1:2 (1 cement : 2 fine sand) in S.C.I./ C.I. Pipes of 100 mm dia. Quantity = 9.00 EA 35) Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete for 100 mm dia Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989. Quantity = 6.00 m 36) Providing and fixing 32 mm dia. semi rigid P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Quantity = 13.00 EA 37) Providing and fixing 40 mm dia. semi rigid P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Quantity = 7.00 EA 38) Cutting chases in brick masonry walls for 100 mm diameter sand cast iron/centrifugally cast (spun) iron pipes and making good the same with cement concrete 1:3:6 (1 cement : 3 coarse sand :6 graded stone aggregate 12.5 mm nominal size), including necessary plaster and pointing in cement mortar 1:4 (1 cement : 4 coarse sand). Quantity = 12.00 m 39) Providing and fixing 600 x 450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete. Quantity = 2.00 EA 40) Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms. Quantity = 4.00 EA 41) Providing and fixing 450 mm long PTMT towel rail with total length of 495 mm, 78 mm wide and effective height of 88 mm, weighing not less than 170 gms complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. Quantity = 4.00 EA 42) Making chases up to 7.5 x 7.5 cm in walls including making good and finishing with matching surface after housing G.I. pipe etc. Quantity = 22.00 m 43) Providing and fixing 15 mm nominal dia. Chlorinated Polyvinyl Chloride (CPVC) pipes for water supply line, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. Quantity = 23.20 m 44) Providing and fixing 20 mm nominal dia. Chlorinated Polyvinyl Chloride (CPVC) pipes for water supply line, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. Quantity = 20.00 m 45) Providing and fixing 15 mm nominal bore C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms. Quantity = 4.00 EA 46) Providing and fixing 15 mm nominal bore brass stop cock of approved quality. Quantity = 4.00 EA</p>	Agree Only
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3	<p>47) Providing and fixing 20 mm nominal bore brass stop cock of approved quality. Quantity = 1.00 EA 48) Providing and fixing C. P. Brass health faucet 15 mm nominal bore with tube and spreader (Jaquar series Article No. ALD-CHR 579) or equivalent of approved quality etc. complete as directed by Engineer in charge. Quantity = 5.00 EA 49) Providing and fixing C. P. Brass Two Way Bib Cock 15 mm nominal bore with wall flange of (Jaquar front line series Article No. 5041 N) or equivalent of approved quality etc. complete as directed by Engineer in charge. Quantity = 5.00 EA 50) Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) finished rough with sponge. Quantity = 31.78 m² 51) 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. Quantity = 1037.02 m² 52) Applying priming coats with water thin able cement primer on wall surface having VOC content less than 50 grams/liter of approved brand and manufacture. Quantity = 1037.02 m² 53) Providing Wall painting with plastic emulsion paint one or more coats on old work of approved brand and manufacture to give an even shade etc. Quantity = 1037.02 m² 54) Painting with synthetic enamel paint of approved brand and manufacture one or more coats on old work of required colour to give an even shade. Quantity = 189.67 m² 55) Finishing walls with Acrylic Smooth exterior two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm paint of required shade on new work. Quantity = 290.20 m² 56) Providing and laying integral cement based water proofing treatment with average thickness of 120 mm and minimum thickness at khurra as 65 mm including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: (a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. (b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs. (c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge. (d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test."All above operations to be done in order and as directed and specified by the Engineer-in-Charge. Quantity = 233.28 m² 57) Providing and fixing Polyester powder coated Aluminium (minimum thickness of polyester powder coating 50 micron) work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Alluminium sections shall be smooth, rust free, straight, mitered and jointed mechanically wherever required including cleat angle, Alluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately). Quantity = 99.67 Kg 58) Providing and fixing glazing With float glass panes of 5 mm thickness (weight not less than 12.50 kg/Sqm) in Alluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of Alluminium snap beading shall be paid in basic item). Quantity = 11.72 m² 59) Providing and fixing 12 mm thick prelaminate flat pressed three layer or graded wood particle board with decorative lamination on both sides conforming to IS:12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer-in-charge. Quantity = 11.02 m² 60) Providing and fixing double action hydraulic floor spring with stainless steel cover plate minimum 1.25 mm thickness of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight up to 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge. Quantity = 1.00 EA 61) Filling the gap up to 5 mm depth and 5 mm width in between Alluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete. Quantity = 9.68 m 62) Providing and fixing 300 x 16 mm Alluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete. Quantity = 17.00 EA 63) Providing and fixing 250 x 16 mm Alluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 868), transparent or dyed to required colour or shade, with nuts and screws etc. complete. (Quantity = 17.00 EA) 64) Providing and fixing 200 x 10 mm Alluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete. Quantity = 34.00 EA 65) Providing and fixing 125 mm Alluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete. Quantity = 20.00 EA 66) Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.) Quantity =83.98 Kg 67) Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Quantity = 11.09 m² 68) Constructing brick masonry manhole with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : 19.7.1 Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg). Quantity = 2.00 EA 69) Providing and fixing 12.5 mm thick fully Perforated Gypsum Board tile made from plaster board having glass fibre conforming to IS:2095 part I, of size 595x595 mm, having perforation of 9.7 x 9.7 mm at 19.4 mm c/c with center borders of 48 mm and the side borders of 30 mm, backed with non woven tissue on the back side, having an NRC (Noise Reduction Coefficient) of 0.79, with 50 mm resin bonded glass wool backing tiled false ceiling</p>	Agree Only
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of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like dif fusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x 1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge. Quantity = 170.25 m²

Price Parameters/ Formula

Variable Name	Name of Parameters	Sub Total Example: a+b	Type of Component	Places of decimal	Lumpsum
a	Total Price of the Entire Job Work including GST	-	Numeric Text Only	2	No

Price formula

a (Up to 2 Decimal Place)