



Government of India
Ministry of Science and Technology
Department of Science and Technology
General Administration II Section
Technology Bhavan, New Mehrauli Road
New Delhi-110 016
Website: www.dst.gov.in

Tender Enquiry No. D-13022/ 1/ 9/ 2019 (GA)

Date: 22nd Mar., 2023

To,

All interested & eligible vendors

Sub: Percentage Rate Tender & contract for works related to Repair of Toilets & other associated works in the East Wing of S & T Block I in DST, Technology Bhavan, New Delhi-110016.

Dear Sirs,

For and on behalf of the President of India, sealed tenders are invited from eligible firms registered with CPWD or PWD for **Percentage Rate & Lump sum Rate Tender & contract for works related to Repair of Toilets & other associated works in the East Wing of S & T Block I in DST, Technology Bhavan, New Delhi-110016.**

as per the following requirements: -

i) Civil Works: Schedule I

2. In case your firm is eligible & interested in the above said work, you are requested to quote your lowest prices (% above/ below basis) in the enclosed Proforma (Schedule I) in a sealed cover. The sealed cover containing the quotation should be super scribed **"Quotation for Percentage Rate & Lump sum Rate Tender & contract for works related to Repair of Toilets & other associated works in the East Wing of S & T Block I in DST, Technology Bhavan, New Delhi-110016"** and to be submitted by **17th April, 2023 latest by 1500 hours**, which will be opened on the same day at 1530 hrs in Aryabhata Hall in New Block I in the presence of such tenderers who wish to be present. The Department reserves the right to accept or reject any quotation/ estimates without assigning any reason thereof.

3. The sealed envelope must be accompanied by a Demand Draft/ Pay order/ banker's cheque of Nationalized Bank for **Rs.47080/- (Rupees Forty-Seven Thousand and Eighty only)** as Earnest Money Deposit (EMD) in favour DDO, DST. The earnest money amount will be returned to the unsuccessful firm immediately after the award of the contract to successful bidders and the earnest money of the successful tenderer will be returned only after submission of Performance Guarantee by the successful bidder.

4. Tendering firms fulfilling the requirements in this tender document are requested to quote their competitive lowest prices as per the requirements given in the attached schedule.

Yours faithfully,

(Ram Chander)
Under Secretary to the Govt of India

Signature with stamp of the bidder

Cont'd....02/-

IMPORTANT INFORMATION
& GENERAL INSTRUCTIONS

Sl No.	Points	Description
1.	Purchaser	THE PRESIDENT OF INDIA
2.	Single bid system	This tender will be processed in single bid system
3.	Eligibility of Firm	a) Vendors/ firms registered with CPWD, PWD, Public Sector undertaking set up by Central/ State Government or any other Central/ State Government organization/ PSU notified by Ministry of Urban Development (MOUD), DDA shall only be allowed to participate (Please enclose Registration Certificate). b) Submission of ITR for the FY 2020-21, FY 2021-22 & FY 2022-23. c) In case of non-fulfilment of the above condition, the bid will be considered as incomplete and will be rejected straightway without assigning any reason thereof. No representation in this regard will be entertained by the Department. d) GST Registration Certificate.
4.	Firm and fixed rates	Prices should be quoted on a firm & fixed price basis. The prices/rates quoted should be indicated in words as well as in figures and in INR only. Request for enhancement of contracted rates shall not be considered under any circumstances. Tenders with variable prices or seeking provision for enhancement of prices/contracted rates shall be rejected straightway without any consideration.
5.	Non-transferability	This tender is non-transferable.
6.	Terms & conditions	Terms & Conditions as set out in this Tender Document shall have to be complied with by the tendering firm. Offers not complying with such terms & conditions shall be ignored/ rejected at the discretion of this Department.
7.	Earnest Money Deposit	The requisite amount has to be submitted by way of Demand Draft, Pay Order/Banker's Cheque along with the original copy of the tender submitted by the firm in the name of <u>DDO, DST, New Delhi</u> . Payment by any other mode shall not be acceptable. Offers received without EMD shall be ignored straightaway and will not be considered under any circumstances. EMD of tendering firms who submit the sealed quotation but withdraw the same before expiry of the tender validity date may be forfeited.
8.	Performance Security	Successful bidders who are awarded the work order for carrying out the jobs on the basis of this Tender Enquiry shall be required to furnish a Performance Security for a period of six months (Warranty period) of an amount equal to 3% of the awarded cost of the contract (excluding statutory duties and taxes) in the form of DD/ Pay order, Banker's Cheque, Fixed Deposit Receipt (FDR) or Bank Guarantee from any Nationalized Indian Bank within 15 days of the award of the Contract for a period of fifteen (15) months . The format for such Performance Bank Guarantee (PBG) will be provided by DST along with the work order. In the event of failure on the part of the successful bidder awarded the Contract to furnish Performance Security, EMD furnished with the Tender by such firm shall stand forfeited.

Signature with stamp of the bidder

Cont'd....03/-

Sl No.	Points	Description
9.	Prescribed Forms	Tenders of firms received in the format prescribed in this tender document shall only be considered. Offers not received in prescribed format shall be ignored and no correspondence in this regard will be entertained. Telegraphic/ Telex/ Fax/ E-mail/ Letterhead/ Quotations will not be accepted and ignored straightaway.
10.	Late/ delayed tenders	Tenders received late/ delayed after prescribed closing time due to any reason whatsoever will not be accepted under any circumstances. In the event of any confusion, the time set in the clock in the room of Under Secretary (General Administration), DST will be taken as standard and decisive. Tenderers may note that if the date of tender opening given in this Tender Document is declared a closed holiday by the Central Government, the tender shall be opened on the next working day at the same timing. In such an event the closing hours for receipt of tenders in DST will stand automatically extended up to 1500 hours of the next working day in the Central Government offices.
11.	Purchaser's right	Purchaser reserves the right to reject any tender/all tenders in full or part thereof without assigning any reasons.
12	Duties & Taxes	Rate should be quoted considering GST and if claimed separately by the successful bidder, the same will not be paid separately.
13	Purchaser's Address	The quotation should be addressed to "Under Secretary, General Administration Section, Department of Science & Technology, Technology Bhavan, New Mehrauli Road, New Delhi-16 and should be dropped in the Tender Box of Admn. II B Section kept near Reception Room at the entrance of Technology Bhavan, New Mehrauli Road, New Delhi on or before at 1500 hours on 17th April, 2023 . In case the sealed envelope is larger than the mouth of the Tender Box, and cannot be dropped in the Tender Box, the same may be submitted by hand to Under Secretary, General Admin or S.O. General Admin, DST.
15	Liquidated Damages	In case the firm does not complete the work within the work execution period as stipulated, action will be taken against the firm to recover from the contractor as agreed liquidated damages including administrative expenses (and not by way of penalty) a sum equivalent to ½ % per week of the price of any stores which the contractor has failed to execute/ deliver/install within the stipulated time limit. Where delivery thereof is accepted after expiry of the aforesaid period, the total damages so claimed shall not exceed 10% of the total contract price.
16	Scope of work	a) Dismantling & abandoning of existing sewer lines of the toilets (Gents', ladies and pantry) located in the east wing of S & T Block I. b) Dismantling & disposing of bamboo flooring of R No.8 & R No.7 Old S & T Block I & as directed by the Department. c) Laying of 8" diameter new CI sewer line including flooring with marble, granite, WC (Indian & European) etc. d) During laying of new CI sewer line, damage to the existing flooring should be done minimum and preferably <u>Underground Directional Drilling Machine</u> may be used for boring. Repairing to the existing flooring, if any required as a consequence of the job execution, would be part of the scope of work.
17	Rates	The schedule of works of this tender document has three parts and the firm required to quote rates in the following manner: - <u>Schedule I:</u> The items mentioned in this part is CPWD's DSR based and the participating firm is required to quote the rate % (Percentage above or below basis).
18	Inspecting Officer	Authorized representative of DST, New Delhi
19	Inspection Authority	Department of Science and Technology (DST), Technology Bhavan, New Delhi or any party, a Govt. agency, so authorized by DST.
20	Work site	DST, Technology Bhavan, New Delhi-16.

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Sl No.	Points	Description
21	Warranty	One Year comprehensive from the date of completion of job. Any complaint shall be attended within a response time of 48 hours on 24X7 basis. Any defects in workmanship or deterioration in the quality or deviation to tender specifications coming to notice shall be rectified at site within 72 hours of the reporting of the same to the contractor. If system is required to be picked up and taken to your premises for removing the defects, the same shall be picked up from the consignee latest by the next working day and dropped back to the consignee within 07 working days. Any component required to be replaced within the warranty period shall be totally new component and not reconditioned or repaired component. Further, DST will not pay any transportation charges for taking away of defective items (s) and for bringing of replaced items (s).
22	Deviation of work	The deviation of work is permitted <u>maximum of</u> @ 10% of the original work. In case, the deviation is exceeding more than @10% of the original work, this should be brought to the notice of the Competent Authority of the Department by the vendor before the execution of the work. Without prior approval of DST, no work should be carried out if the same is deviated more than @10% of the original work. If not reported, the payment of more than @10% deviation will not also be paid to the contractor.
23	Extra Item not mentioned in CPWD's DSR	If any work/ item is required, which is not mentioned in the Schedule, this should be brought to the notice of the Competent Authority of the Department before execution of work with justification. The payment of the same may be made as per the rate quoted by the firm on CPWD's DSR-2021 item and if the item is a Non-scheduled item, the payment will be made as per MRP of the item on production of the bill.
24	Validity of tender	Tender shall be kept valid for acceptance by DST for a period not less than 90 days after the tender opening date.
25	Award of contract	<p>a) The Accepting officer shall award the contract to the tenderer whose tender has been determined to be substantially most advantageous and most responsive and not necessarily the firm who has offered the lowest evaluated tender price.</p> <p>b) The issuance of work/ supply order on DSR items will depend upon the requirement of the Department and on actual basis.</p> <p>c) Notwithstanding the above, the Department reserves the right to seek previous work orders, references, justification of quoted rates etc. and to accept or reject any quotations and to cancel the process and reject all tenders at any time prior to award of contract.</p> <p>d) The tenderer whose rate is accepted will be notified for the award of contract by the Department prior to expiry of the tender validity period. The terms and conditions stipulated in the tender document shall be fully applicable to the resultant contract and taken as an integral part of the contract concluded on the basis of this Tender Enquiry.</p> <p>e). In case two firms are offering the same net bundled price in Schedule I, then the contract will be awarded to the firm, who has deposited higher Total Income tax for the past three Financial Years i.e. 2020-21, FY 2021-22 & FY 2022-23 in total and as per the direction of the Competent Authority.</p>

Signature with stamp of the bidder

Sl No.	Points	Description
26	Acceptance of offer/ Evaluation of bid	<p>The bid will be evaluated on the basis of Schedule I of the tender document. The firm quoting the lowest price for Sub Head C to Schedule I may not be awarded the work if the quoted rate is not substantially most advantageous and most responsive.</p> <p>During Evaluation of Bid, following points will be taken into consideration. Hence the Bidders are requested to quote justified rate (s) to avoid cancellation of bid: -</p> <p>A. Abnormally Low Bid/ proposal: -</p> <p>aa. If any bidder is quoting an abnormally low bid/ proposal. An abnormally low bid/ proposal is one in which the bid/ proposal price in combination with other elements of the bid/ proposal, appears so low that it raises material and services concern with the Department as to the capability of the bidder to perform the contract for the offered price.</p> <p>ab. If the Department i.e. DST identifies a potentially abnormally low bid/ proposal, DST shall seek written clarifications from the bidder, including item wise detail analysis of rate as per market trend of its bid/ proposal price in relation to the subject matter of the contract, scope, proposed methodology, schedule, allocation of risks and the responsibilities and any other requirements of the request for bids/ proposals for proposal document.</p> <p>ac. If after evaluation of the price analysis, DST determines that the bidder has quoted the unjustified rate and failed to demonstrate its capability to deliver the contract for the offered price, DST shall reject the bid/ proposal without assigning any further reason.</p> <p>B. Seriously unbalanced or Front Loaded bids/ proposal: -</p> <p>ba. If the bid/ proposal submitted by the bidder, DST feels that the bid/ proposal seriously unbalanced or front loaded (i.e. Overpriced) DST may ask the bidder to provide written clarifications, including item wise detailed price analysis to demonstrate the consistency of the prices with scope of works, proposed methodology and schedule. After evaluating the item wise detailed price analysis, DST may/ may not accept/ reject the bid/ proposal without assigning any further reason.</p> <p>C. Most advantageous/ responsive Bid/ Proposal: -</p> <p>After going through the process mentioned above, the Department will decide the most advantageous/ responsive bid and contract will be awarded to that firm. Mere becoming Lowest Bidder i.e. L 1 does not confer the right to become the most Advantageous/ responsive bidder. For becoming Most Advantageous/ responsive bidder, the bidder needs to qualify the points mentioned above.</p> <p>Definition of advantageous/ responsive bid: As per CPWD's OM No.DG/ Cost Index/ 07 dated 16 Nov., 2022, the Building Cost Index (CI) of Delhi is as on 01.10.2022 with reference to Plinth Area Rates 01.04.2021 as base 100 is 107. If the quoted price is nearer to the CI i.e. @7%, then the quoted price will considered as Most advantageous/ responsive Bid/ Proposal</p>
27	Job Execution period	Within 60 days of the receipt of confirmed work order by the firm.
28	Dispatch instructions	Stores are required to be delivered at the Technology Bhavan premises on free delivery to the consignee's premises/ freight paid basis.
29	Payments Terms	100% payment shall be released on successful execution of the work complete. The quantity mentioned in the <u>schedule 1</u> to this Tender Enquiry Notice is tentative. <u>The actual work may vary in lower or upper side of the given quantity.</u> The payment will be made on actual execution of work. Advance payment shall not be made under any circumstances.
30	Paying Authority	Controller of Accounts or his authorized representative, Pay & Accounts Office, DST, New Delhi-110016

-06-**Annexure I****Department of Science & Technology
General Administration Section****Contractor's details: Mandatory Information (To be filled with supporting document)**

Supporting documents be annexed with the application form (Applications found deficient in any respect are liable to be rejected without further correspondence)

Sl No.	Description	Information				
01	Name of the Applicant					
02	Nationality					
03	Address (attach separate paper for addresses of other offices)	Regd. Office				
		Head office				
04	Telephone Numbers	Landline No.				
		Mobile No.				
		Fax No.				
		E-mail address				
05	Other Details	PAN Details				
		GST Registration Number				
06	Constitution	Individual				
		Sole Proprietorship Concern				
		Partnership Firm				
		Public Ltd. Company				
		Private Ltd. Company/ Public Sector Enterprises				
07	If partnership firm/ If company, Name of all Partners/ Directors or Board					
08	Is the Individual/ sole Proprietor/ any Partner of the Firm/ Director of Company	Dismissed Government Servant	yes		No	
		Removed from approved list of contractors	Yes		No	
		Demoted to a lower class of contractors in CPWD/ PWDs	Yes		No	
		Convicted by a court of law	Yes		No	
		Retired official of Govt of India within last one year	Yes		No	
		Director or partner of any other company/ firm with CPWD/ PWDs or any other Govt Department	Yes		No	
		Member of Parliament or any State Legislative Assembly	Yes		No	
		If answer to any of the above is "Yes", furnish details on a separate sheet				
09	a) Name of the person holding power of attorney					
	b) Nationality					
10	Name of the Bankers with full details/ orders					

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11	Place of business				
12	Whether Registered with CPWD, PWD, Public Sector undertaking set up by Central/ State Government or any other Central/ State Government organization/ PSU notified by Ministry of Urban Development (MOUD) for Civil works.				
	If, Yes Name of the Organization with which the firm is registered				
	Specify Registration details and date of registration for Civil works. Attach Documentary Proof				
13	Is any person working with the applicant a near relative of the official of DST? If yes, give details	Yes		No	
14	Certificates				
	a)	I/ we (including all partners) certify that I/ we have read the Terms & Conditions mentioned in the tender enquiry form and shall abide by them			
	b)	I/ we certify that the information given is true to the best of my/ our knowledge. I/ we also understand that if any of the information is found wrong/ false at any stage. I/ we are liable to be deregistered from panel of approved contractors/ banned for doing any business dealings with Government Departments or blacklisted or subject to any monetary penalties that be deemed fit and appropriate by DST/ Government.			
	c)	I/ we certify that all the pages of the Original Tender Document are duly signed & stamped and submitted for consideration of the bid.			

Signature with stamp of the bidder

Department of Science & Technology

Schedule I to TE No. D-13022/1/9/ 2019 (GA

Date: 22nd Mar., 2023

Sub: Percentage Rate & Lump sum Rate Tender & contract for works related to Repair of Toilets & other associated works in the East Wing of S & T Block I in DST, Technology Bhavan, New Delhi-110016.

Sl No.	DSR-No	Work Description	Qty	Unit	Unit Rate in Rs. DSR 2021	Amount in Rs.
1	15.2.1	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)	8.00	Cum	2001.10	16008.80
2	2.10.1.2	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 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 consolidating each deposited layer by ramming, watering, etc. and is posing 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	75.00	Mtr	417.35	31301.25
3	15.23.2	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles above 25 mm and up to 40 mm	50.00	Sqm	93.40	4670.00
4	14.82	Dismantling W.C. Pan of all sizes including disposal of dismantled materials i/c malba all complete as per directions of Engineer-in-Charge.	3.00	Ea	110.70	332.10
5	15.45.2	Dismantling C.I. pipes including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes & lead at site within 50 metre lead as per direction of Engineer-in-charge: Above 150 mm dia up to 300 mm dia	10.00	Mtr	448.15	4481.50
6	17.18.1	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete. 10 litre capacity - White	3.00	Ea	1023.05	3069.15
7	18.27.4	Providing and laying S&S centrifugally cast (spun) iron pipes (Class LA) conforming to IS - 1536 : 200 mm dia pipe	75.00	Mtr	3083.65	231273.75
8	18.28.4	Providing lead caulked joints to spun iron or C.I. pipes and specials, including testing of joints but excluding the cost of pig lead : 200 mm diameter pipe	50.00	Ea	818.35	40917.50
9	18.25.1	Providing and laying S&S C.I. standard specials such as tees, bends, collars, tapers, caps etc. (Heavy class): Up to 300 mm dia	6.00	Qtl	5649.65	33897.90
10	4.1.10	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 (zone-III): 10 graded stone aggregate 40 mm nominal size)	10.00	Cum	6050.65	60506.50
11	4.1.3	1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)	5.00	Cum	7365.15	36825.75
		Total				463284.20

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Sl No.	DSR-No	Work Description	Qty	Unit	Unit Rate in Rs. DSR 2021	Amount in Rs.
		BF				463284.20
12	18.37.1	Constructing masonry Chamber 60x45x50 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for water meter complete with C.I. double flap surface box 400x200x200 mm (inside) 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) , i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand:10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design : With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	5.00	Ea	9020.80	45104.00
13	19.4.1	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design: 100x100 mm size P type	5.00	Ea	2453.55	12267.75
14	8.2.2	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut 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.Granite of any colour and shade Area of slab upto 0.50 sqm	50.00	Sqm	4679.35	233967.50
15	15.60	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.	35.00	Cum	219.35	7677.25
16	N.S.	P/F C.P. brass Angle valve for basin mixture and geyser point of approved quality confirming to (IS: 8931 A) 15 MM Nominal bore. Make Jaquar	15.00	Ea	3200	48000
		Total				810300.70

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Sl No.	DSR-No	Work Description	Qty	Unit	Unit Rate in Rs. DSR 2021	Amount in Rs.
						810300.70
17	17.81	Providing and fixing floor mounted, white vitreous double traps syphonic water closet of approved brand/make, shape, china single piece, size and pattern including integrated white vitreous china cistern of capacity 10 litres with dual flushing system, including all fittings and fixtures with seat cover, cistern fittings, nuts, bolts and gasket etc including making connection with the existing P/S trap, complete in all respect as per directions of Engineer-in-Charge.	5.00	Ea	16100.40	80502.00
18	7.38.1.1	Stone tile work for wall lining upto 10 m height with special adhesive over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand), including pointing in white cement with an admixture of pigment to match the stone shade. 8mm thick (mirror polished and machine cut edge) Granite stone of any colour and shade	50.00	Sqm	2675.70	133785.00
19	10.28	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.).	200.00	Kg	612.25	122450.00
20	11.39	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4(1 Cement: 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/sqm including grouting the joints with white cement and matching pigments etc., complete.	35.00	Sqm	1142.80	39998.00
21	11.41A	Providing and laying Vitrified tiles in floor in different sizes (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 kg/sqm 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. 11.41A.1 Double charge vitrified tile polished finish of size 600 x 600 mm sqm	75	Sqm	1286.60	96495.00
						1283530.70

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Sl No.	DSR-No	Work Description	Qty	Unit	Unit Rate in Rs. DSR 2021	Amount in Rs.
						1283530.70
22	17.5.2	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : Range of two half stall urinals with 5 litre P.V.C. automatic flushing cistern	05	Each	15115.40	75577.00
23	26.23.1	Providing and fixing false ceiling at all heights with integral densified calcium silicate reinforced with fibre and natural filler false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having NRC (Noise Reduction coefficient) of 0.50 (minimum) as per IS 8225:1987, Light reflectance of 85% (minimum). Non combustible as per BS:476 (part-4), fire performance as per BS:476 (part 6 &7), humidity resistance of 100%, thermal conductivity < 0.043 W/m K as per ASTM 518:1991, in true horizontal level suspended on interlocking metal powder coated T-Grid of hot dipped galvanised iron section of 0.40 mm thick on Silhouette profile, rotary stitched double webbed white with 6mm reveal profile (white/black), comprising of main-T runners of size 15x42mm of length 3000 mm, cross - T of size 15x42 mm of length 1200 mm and secondary intermediate crossT of size 15x42 mm of length 600mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing @ 80 grams per sqm) i.e. 50 mm long, 8 mm outer diameter M-6 dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x2 mm. Galvanised iron perimeter wall angle of size 22x19x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40mm long dry wall S.S screws. The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in-Charge. With 15 mm thick integral densified micro edge light weight calcium silicate false ceiling tiles	100	Sqm	2055.65	205565.00
24	15.57	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material within 50 meters lead as directed by Engineer-in-charge.	100	Sqm	46.50	4650.00
25		Total				1569322.70
26		% above/ below				
27		Net Quoted bundled price				

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Instruction & work specification regarding Horizontal Directional Drilling (HDD) Work:

Pre-bid Meeting on trenching work by Horizontal Directional Drilling (HDD) Machine: Prior to the submission of bid, the interested & eligible vendors are requested to make a site visit and understand the work. All issues that may be raised and tried to be resolved prior to submission of bid.

Work Specification & brief description of Horizontal Directional Drilling (HDD) work: -

HDD is a trenchless method for installing a product pipe. It is a multi-stage process consisting of site preparation, equipment setup, pilot bore, product pipe pulling through the drilled bore, and site restoration. Alignment of the bore is accomplished by proper orientation of the drill bit is determined by using an acceptable tracking system from a transmitter located within the drill bit head. When necessary, enlarge the pilot borehole (back reaming) to accommodate a product pipe larger than the pilot borehole size. Back ream ahead of or at the same time pulling the product pipe through the pilot borehole. The work includes all services, equipment, materials, tools, and labour for a complete and proper installation and testing.

In order to minimize friction and prevent collapse of the bore hole, introduce a soil stabilizing agent (drilling fluid) into the annular space from the front end of the drill bit. The rotation of the bit in the soil wetted by the drilling fluid creates slurry. The slurry stabilizes the surrounding soil, prevents the bore hole from collapsing, and provides lubrication. Select or design the drilling fluids for the site's specific soil and ground water conditions. Confine free flowing (escaping) slurry or drilling fluids at the ground surface during pull back or drilling.

The work involves excavation of HDD laying & fixing of CI pipe & Reinstatement of the Trenches as per the construction Specification.

The HDD contractor is responsible to execute even the smallest span of the works mentioned in the work order (min 5 mts onwards), where ever required in the entire route apart from the HDD shown against the reference.

It is the responsibility of the contractor to obtain clearances, if necessary, before starting of HDD work and also obtain NOC from respective agencies like PWD, MCD etc. after carrying out the restoration of HDD pits as per the specification of the external agency.

Location of Utilities-the majority of the specifications require the contractor to notify all companies with underground utilities in the work area via the state or local "One-call" to obtain utility locates and verify locations.

Pipe Handling: -Measures to endure that the drill pipes and the product pipes are stored and handled without gauging, scratching the pipe.

Pilot Hole- The pilot hole shall be drilled along the bore path to the following tolerance areas elevation, alignment, curve radius, entry point location, exit point location, and limitations on depth.

Reaming and Pull Back- Measures to ensure that the product pipe is pulled without excessive ground movement, over stressing the product pipe, inadvertent returns of drilling fluids, preventing the transfer of the soil cutting from the face of excavation to the launching or exit points.

Site restoration: Most state that following the drilling operations, the contractor shall de-mobilize equipment and restore the work-site to original condition or better. Restoration shall include paved and unpaved surfaces, shrubbery, landscaping, trees, structures, and all else encountered. Any noticeable surface defects, due to the drilling operation, shall be repaired by the contractor. All excavations will be backfilled and compacted according to other specification requirements elsewhere.

Rock Area Work: - Where feasible, rock should be avoided and the contractor shall notify the Liaison Person, prior to proceeding, so that alternatives may be considered. Note that any proposed change requires prior approval by the Liaison Person.

Electrical Safety: HDD operator be in contact with machine controls equipotential matting is required beneath the operator and shall be bonded to the machine chassis to limit operator step and touch potential. Equipotential matting shall be provided by the Contractor.

Note: Department of Science & Technology shall not be liable for rectification works or replacement of materials due to erosion or subsidence, or damage from any other cause, to excavations and / or materials that may result from excavations being left open.

Name & Address of the firm: -

Signature with stamp of the bidder