



DR. SHYAMA PRASAD MUKHERJEE UNIVERSITY
Ranchi, Jharkhand.

**OFFICE OF THE
REGISTRAR**

Memo No: DSPMU/G/335/23

Date: 23/05/2023

NOTICE INVITING TENDER

Sub: Construction of Path Ways, Parking, Drains, Rain Water Harvesting (RWH), Under Ground Reservoir and Repair of Fine Arts Building (Civil & Electrical) at Dr. Shyama Prasad Mukherjee University, Ranchi.

The Registrar, Dr. Shyama Prasad Mukherjee University, Ranchi invites Tender under Two Bid System (Technical & Financial) for executing the below mentioned work:

Name of work	Construction of Path Ways, Parking, Drains, Rain Water Harvesting (RWH), Under Ground Reservoir and Repair of Fine Arts Building (Civil & Electrical) at Dr. Shyama Prasad Mukherjee University, Ranchi.
Estimated tender value	Rs. 44,84,102.19 (Rupees Forty-Four Lacs Eighty-Four Thousand One Hundred Two and Nineteen Paise Only)
Period of Works	05 Months
Tender Fees	Rs. 15,000/-
Bid Security / Earnest Money Deposit	EMD Rs. 90,000.00/- (Rupees Ninety Thousand Only)
Security Deposit Money	Rs. 2,24,000/- (Rupees Two Lacs Twenty Four Thousand Only)
Date of publishing Tender Last date of bid submission	From 24/05/2023, 04:00 PM Upto 13/06/2023, 03:00 PM
Date & Time of Opening of technical bid	13.06.2023 at 03.30 PM

INSTRUCTION TO THE TENDERERS

THE TENDERER IS REQUESTED TO SUBMIT THE FOLLOWING DOCUMENTS AT THE TIME OF SUBMISSION OF TENDER DOCUMENT WITHOUT WHICH THE TENDER WILL BE REJECTED.

LIST OF DOCUMENTS	
1	Scanned, sealed and signed copy of e-tender document (each page)
2	Copy of ESI Registration.
3	Copy of EPF Registration.
4	Copy of Registration of GST.
5	Copy of valid registration of the firm with CPWD/ P.W.D.s./M.E.S./ Railways /BSNL Civil wing or any other government body as Civil Contractor (central/ state Govt./PSU)
6	Copy of PAN card
7	Copy of valid Labour and trade license and Electrical License.
8	Copy of Balance sheet/ P & L Account for last three financial years (i.e. 2022-21, 2021-20, 2020-19).
9	Copy of Income Tax Return for last three years (i.e. 2022-21, 2021-20, 2020-19).
10	Annual turnover of works for immediate last 3 consecutive financial year's i.e. 2022-21, 2021-20, 2020-19) should be more than 40 Lacs. Duly certified by Chartered Accountant.
11	Complete Bank Details/ Cancelled Cheque
12	Annexure A, applicable Duly filled and attested.
13	Undertaking on Rs. 100/- stamp paper for the Agency / Firm that is never debarred/ blacklisted by any of the Institution / Office anywhere in India.
14	The Contractor should have two work orders in the same field with a minimum of two tender value of Rs. 25 lacs.

1. The interested bidders may get the Tender Document from the Section Officer Office in normal working days between 10:00 AM to 03:30 PM. The Bidder should submit the Bid document with firm's letter pad **through Registered/ Speed Post/ Courier or by Hand dropped** to the **Office of Registrar, DSPMU, Ranchi**. The cover superscripted as Tender Bid for " **Construction of Path Ways, Parking, Drains, Rain Water Harvesting (RWH), Under Ground Reservoir and Repair of Fine Arts Building (Civil & Electrical) at Dr. Shyama Prasad Mukherjee University, Ranchi.** ". The Bid document must reach the above-mentioned office by **13.06.2023, 03:30 PM**.
2. The Tender document can be obtained by downloading it in PDF format from the University Website: www.dspsmuranchi.ac.in. from **24.05.2023, 04:00 PM to 13.06.2023, 03:00 PM**. The Bidder should submit the **Tender Fees of Rs. 15,000/-** in the form of DD/ Banker's Cheque drawn in favour of " **Registrar, DSPMU**" **Payable at Ranchi**. In addition to Bid Document, the bidder also shall be required to submit Original Earnest Money Deposit (EMD) and the Tender Fees before submitting the

Bid Document. The amount of **EMD Rs. 90,000/- (Rupees Ninety Thousand Only)** in the form of DD / Banker Cheque drawn in favor of **Registrar, DSPMU, payable at Ranchi**. The Tender Fees and Earnest Money deposit must be sent along with hard copies before the closing date and time of the Tender to the following address - **"The Registrar, Dr. Shyama Prasad Mukherjee University, Morabadi, Ranchi - 834008**. At the top of the cover, the following words should be written **"Construction of Path Ways, Parking, Drains, Rain Water Harvesting (RWH), Under Ground Reservoir and Repair of Fine Arts Building (Civil & Electrical) at Dr. Shyama Prasad Mukherjee University, Ranchi "**.

3. Before submitting Tender, bidder can see the site of the work on any working day during office hours by contacting Development Officer or Assistant Engineer (Civil) of DSPMU, Ranchi. **(Contact Details- 9430735008, 8674981448)**.
4. The Competent Authority of Dr. Shyama Prasad Mukherjee University, reserve the right to accept or reject any tender or all tenders without assigning any reason. All the tenders, in which any of the prescribed conditions is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer, shall be summarily rejected.
5. Conditional Tender is liable to be rejected.
6. The tender for the work shall remain open for acceptance for a period of Seventy-Five (75) days from the date of opening of tender.
7. The EMD of unsuccessful tender shall be refunded after the award of work to the successful tender.
8. Performance Security Deposit an amount of **Rs. 2,24,000/- (Rupees Two Lacs Twenty Four Thousand Only)** to be deposited to the Dr. Shyama Prasad Mukherjee University in the form of **Performance Bank Guarantee** of any nationalized Bank in favour of **"Registrar, DSPMU" payable at Ranchi** by the successful tenderer on award of work. The Performance Bank Guarantee should be for a period of 06 months and will be released automatically after 06 months of successful completion of the work.
9. Rates quotes shall be firm and fixed and are exclusive of cost of manpower, taxes/duties, etc. **GST will be paid as per CPWD norms**.
10. **Eligibility Criteria:**
 - I. The tenderers should have fulfilled minimum **Five years'** experience in on **30-04-2023** in Central Govt/State Govt. /PSU's/Autonomous of Works of similar nature. Similar nature means works related to repair works of building or construction of building or maintenance of building including civil, Plumbing, & electrification works.
 - II. The tenderer should have fulfilled one of the following works.
 - (a) The tenderers should have successfully completed two similar works of value not less than Rupees 25 Lakhs each.

11. **Evaluation of Technical Bids:**

Bids received and found valid will be evaluated by the Purchase Committee of Dr. Shyama Prasad Mukherjee University to ascertain the best evaluated bid for the complete work/service under the specifications and documents. The tenderer should take care to submit all the information sought by the Dr. Shyama Prasad Mukherjee University in prescribed formats.

Firms relevant experience and strength -Profile of agency, registration details including Contract License, copy of PAN card, EPF, ESIC, etc.; experience of similar works.

Financial Bids:

The financial bid of the tenderers, whose technical bids are found to be suitable, will be opened in the presence of the tenderers, who choose to attend the opening of financial bid. Minimum One-day's prior notice via phone will be given to tenderer for this purpose.

12. **Award of Work:**

- I. The selection of the agency will be at the sole discretion of the Dr. Shyama Prasad Mukherjee University who reserves its right to accept or reject any or all the proposals without assigning any reason.
- II. The Work for the **Construction of Path Ways, Parking, Drains, Rain Water Harvesting (RWH), Under Ground Reservoir and Repair of Fine Arts Building (Civil & Electrical) at Dr. Shyama Prasad Mukherjee University, Ranchi** shall be awarded to the qualified responsive tenderer who has quoted in order lowest rate.
- III. Upon evaluation of offers the notification on award of Work will be intimated to the successful tender.

13. Delay / Late submission of Bid tenders for whatever is the reason will summarily be rejected.

14. Annexures to the Tender Document-

I. Scope of work:

Construction of Path Ways, Parking, Drains, Rain Water Harvesting (RWH), Under Ground Reservoir and Repair of Fine Arts Building (Civil & Electrical) at Dr. Shyama Prasad Mukherjee University, Ranchi. The total estimate amount for the above-mentioned works is Rs. 44,84,102.19 /- (Rupees Forty-Four Lakhs Eighty-Four Thousand One Hundred Two and Nineteen Paisa Only).

II. Technical Bid Document Checklist :

Annexure - A

TECHNICAL BID

1. GENERAL INFORMATION

Appendix - I

Name of The Agency/ Firm Along with Address and Telephone / Mobile No and E-Mail Address	
Name of Owner/ All Partners/ All Directors	
Type of Formation (Proprietorship/ Partnership / Pvt. Ltd/Ltd.)	
Bank Account Number with Bank Name and Address.	

2. STATUTORY AND OTHER REQUIREMENTS:

Appendix -II

Particulars	Registration Number	Copy Enclosed
Certificate of Incorporation/ Registration of Firm		
Electrical License		
ESI Registration		
EPF Registration		
GST Registration		
PAN No. under Income Tax		

Labour (Central/State) Registration Certificate, if applicable		
Trade license No.		

3. FINANCIAL INFORMATION:

Appendix - III

Copy of Balance sheet/ P & L Account for last three financial years (i.e. 2022-21, 2021-20, 2020-19).	
Copy of Income Tax Return for last three years (i.e 2022-21, 2021-20, 2020-19).	
Annual turnover of works for immediate last 3 consecutive financial year's i.e. 2022-21, 2021-20, 2020-19) should be more than 40 Lacs. Duly certified by Chartered Accountant.	

4. EXPERIENCE OF COMPANY

Appendix - IV

The Contractor should have two work orders in the same field with a minimum of two tender value of Rs. 25 lacs each. Use separate sheet for each work.

1	Project Title & Location:	
2	Name of the Client & Address:	
3	Describe area of Participation (Specific work done / services rendered by the applicant)	
4	Period of work Done / Services rendered for the project	
5	Total Cost of similar nature of work as per completion Certificate	
6	Date of start of the work	
7	Date of completion of the work	
8	Any other details	

Note: Supporting documents like certificates from the client in support of each of the above projects to be furnished.

**SIGN OF TENDERER,
With Company Seal**

UNDERTAKING
(Format of undertaking to be submitted along with Tender)

1. I the undersigned hereby declare and affirm that I have gone through the terms and conditions mentioned in the tender document and undertake to comply with all the terms and conditions.
2. That the rates quoted by me are valid and binding upon me till the work is completed in DSPMU.
3. That the earnest money of Rs. deposited by me vide Demand Draft No. Dt. drawn on..... (Name of the Bank) is attached herewith.
4. That I/ We authorize the Registrar, Dr. Shyama Prasad Mukherjee University, Ranchi to forfeit the security deposit money submitted by me/us if any delay or failure to supply the article/completion of the work to the satisfaction of the Dr. Shyama Parsad Mukherjee authority. within the stipulated time of the items of desired quality.
5. That I will be in the position to provide contract as per the work explained to me to the satisfaction of the Dr. Shyama Prasad Mukherjee University authority.
6. That there is no vigilance/CBI case or court case pending against me/ my firm debarring me/my firm to undertake contract work/ supply of items quoted.
7. I have been informed that the Dr. Shyama Prasad Mukherjee University, Ranchi has the right to accept or reject any or all the tenders without assigning any reason thereof.

Signature & Address of the Tenderer
STAMP

**COMPULSORY DOCUMENTS TO BE SUBMITTED ALONG WITH THE TENDER
(Checklist)**

The following documents must be submitted along with the tender, without which the tender is liable to be rejected. The tenderer must make a tick against each of the following documents submitted.

(Please Tick the applicable boxes)

- | | |
|---|--------------------------|
| 1. EMD worth Rs. dated drawn from | <input type="checkbox"/> |
| 2. Copy of documents showing prior experience. | <input type="checkbox"/> |
| 3. Copy of PAN Card. | <input type="checkbox"/> |
| 4. Copy of Labour Licence. | <input type="checkbox"/> |
| 5. Copy of Registration of ESIC/EPF. | <input type="checkbox"/> |
| 6. Copy of Trade License. | <input type="checkbox"/> |
| 7. Copy of Electrical License/ Document showing validity of Electrical License if applicable. | <input type="checkbox"/> |
| 8. Undertaking as mentioned in Appendix-V . | <input type="checkbox"/> |
| 9. All the tender documents from with signature & stamp of party on each page. | <input type="checkbox"/> |
| 10. List of works completed by the agency in the last 3 years and ongoing works. | <input type="checkbox"/> |
| 11. Audited Balance Sheet of Last 3 years i.e. for the F.Y. 2019-20, 2020-21&2021-22. | <input type="checkbox"/> |
| 12.(Any other Document/Information, if necessary). | <input type="checkbox"/> |

Name:

Signature:

Stamp:

Letter of Financial bid

To,
The Registrar,
Dr. Shyama Prasad Mukherjee University
Morabadi,
Ranchi.

Sub: - Financial Bid for Construction of Path Ways, Parking, Drains, Rain Water Harvesting (RWH), Under Ground Reservoir and Repair of Fine Arts Building (Civil & Electrical) at Dr. Shyama Prasad Mukherjee University, Ranchi.

Madam/ Sir,

We are submitting our Financial Bid for the above work in Two Bid System as described below :-

Minimum rate for the worked mentioned in Annexure C.	(Rupees.....) (Excluding GST & Labour Cess)
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It is further promised by me/us, that above work will be completed in all respects as per the terms and conditions contained in this tender document.

Signature of Tenderer
 Name, address and seal of Tenderer

Name of work : CONSTRUCTION OF PATHWAY, PARKING, DRAIN, RWH, UGR & REPAIR OF FINE ARTS BUILDING

Location : DR.SHYAMA PRASAD MUKHRJEE UNIVERSITY,RANCHI

S. No.	ITEM NO.	ITEM DESCRIPTION	UNIT	BOQ Qty	BOQ Rates	BOQ Amount (Rs)
1	2.02	Clearing grass and removal of rubbish upto a distance of 50 meters outside the periphery of the area				
		By manual means	Hectare	1.00	19760.30	19,760.30
2	2.04 (vii)	Scrapping of bricks dismantled from brick work including stacking				
	A	In Lime/Cement mortar	Nos	16302.00	1.40	22,822.80
3	3.20	Compacting Original ground				
		Compacting Original ground supporting subgrade				
		loosening of the ground upto a level of 500 mm below the subgrade level, watered, graded and compacted in layers to meet requirement of Table 300-2 for subgrade-grade construction	Cum	453.00	52.60	23,827.80
4	A	Granular Sub-Base with Graded Material (Table:- 400-1)				
		Plant Mix Method				
	RCD 4.01A	Construction of granular sub-base by providing close graded Material, mixing in a mechincal mix plant at OMC,carriage of mixed material to work site,spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401.				
	(ii)	Rate per cum for grading-II material	Cum	133.25	1458.80	1,94,377.81
5	DSR 16.63	Providing, laying and making kerb channel 30 cm wide and 50 mm thick with cement concrete 1:3:6 (1 cement: 3 coarse sand:6 graded stone aggregate 20 mm nominal size) over 75mm bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth etc. complete and as per direction of Engineer-in-charge.	Sq.Mt.	71.19	459.93	32,742.42
6	DSR 16.68	Providing and laying 60mm thick facioy made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	Sqm	871.38	825.58	7,19,393.90
7	DSR 16.69	Providing and laying at or near ground level factory made kerb stone of M- 25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	Cu.Mt.	10.17	7477.65	76,047.70
		EARTH WORK				
8	JSR 5.1.1	Earthwork in excavation trenches in ordinary soil (vide classification of soil item-A) and disposal of excavated earth as obtained to a distance upto 50M including all lifts,levelling,ramming the foundation trenches,removing roots of trees,shurbs all complete as per approved design,building specification and direction of E/I.	Cu.Mt.	231.21	151.82	35,102.30
9	JSR 5.1.7	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 150mm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cu.Mt.	245.34	55.28	13,562.40
		MASONARY WORK				
10	JSR 5.2.1	Providing designation 75A brick work in C.M (1:3) in foundation with approved quality of clean coarse sand of F.M 2 to 2.5 including providing 10mm thick mortar joints, costs of screening,materials,scaffolding ,racking of joints to 15mm depth curing,taxes and royalty all complete as per building specification and direction of E/I.	Cum	92.70	5769.28	5,34,812.26
11	JSR 5.2.23	Providing designation 125mm thick reinforced designation 75A brick work in C.M (1:4) in superstructure with approved quality of clean coarse sand of F.M 2 to 2.5 including screening, carriage of materials,scaffolding ,racking of joints to 15mm depth curing,taxes and royalty all complete as per building specification and direction of E/I.	sqm	15.00	713.49	10,702.35

24/10/23
D.S.P.M.U., Ranchi

D.S.P.M. UNIVERSITY
RANCHI (JHARKHAND)

Assistant Engineer
D.S.P.M.U., Ranchi
24/10/2023

4	Analysis as per jsr 5.2.23 5.2.1	Providing brick work available at site in C.M (1:3) in foundation with approved quality of clean coarse sand of F.M 2 to 2.5 including providing 10mm thick mortar joints, costs of screening, materials, scaffolding, racking of joints to 15mm depth curing, taxes and royalty all complete as per building specification and direction of E/I.	Cum	25.00	2238.00	55,950.00
13	DSR 6.12	Half brick masonry with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in foundation and plinth in :				
	6.12.2	Cement mortar 1 : 4 (1 cement : 4 Coarse sand)	sqm	35.00	727.36	25,457.60
		CONCRETE WORK				
14	JSR 5.3.1	Providing and laying in position cement concrete of specific grade excluding the cost of centering and shuttering- All work upto plinth level :				
	5.3.9	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size)	Cum	4.68	5218.00	24,442.74
	5.3.1.4	1:3:6 (1 cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 20 mm nominal size)	Cum	8.24	4125.41	34,003.69
	5.3.1.6	1:4:8 (1 cement : 4 coarse sand (zone III) : 8 graded stone aggregate 40mm nominal size)	Cum	19.58	3751.64	73,457.11
15	JSR 5.3.17	Centering and shuttering including strutting, propping etc. And removal of form for				
	5.3.17.1	Foundation, footings, bases of columns, etc for mass concrete	Sqm	69.19	194.50	13,457.46
	5.3.17.3	Suspended floors, roofs, landings, balconies and access platform	Sqm	36.50	435.82	15,907.43
	5.3.17.15	Small lintels not exceeding 1.5 m clear span, moulding as in cornices, window sills, string courses, bands, coping, bed plates, anchor block and the like	Sqm	138.71	194.50	26,979.10
16	JSR 5.3.17.16	Edges of slabs and breaks in floors and walls				
	5.3.17.16.1	Under 20 cm wide	Sqm	5.50	99.57	547.64
	5.3.17.19	Weather shade, Chajjas, corbels etc, including edges.	Sqm	5.00	445.55	2,227.75
17	JSR 5.3.18	Extra for additional height in centering, shuttering wherever required with adequate bracing, propping etc. Including cost of deshuttering and decentering at all levels, over a height of 3.5 m, for every additional height of 1 meter or part thereof (plan area to be measured). Suspended floors, roofs, landing, beam and balconies (plan area to be measured).	Sqm	5.00	168.09	840.45
		WOOD WORK				
18	JSR 5.4.2	Supplying, fitting and fixing good quality, well dressed and well seasoned teak wood work in chaukhats in doors, windows skylights, fanlights and C/W celestial windows opening, including wedge over all clamps complete including application of two coats of wood preservative of approved quality on the surface butting walls and lintels all complete as per building specification and direction of E/I.	Cum	0.366	119984.53	43,914.34
19	JSR 5.4.40	Supplying, fitting and fixing 30 mm thick solid core type decorative single leaf flush door shutter with both sides decorative veneered with black board core banded with high quality phenol formaldehydes synthetic resin of standard make with Aluminium fittings such as hinges, tower bolts, handle, cleat and sand blocks and taxes all complete as per building specification and direction of E/I.	Sqm	8.64	1552.67	13,415.07
20	JSR 5.4.41	Supplying, fitting and fixing 30 mm thick solid core non-decorative double leaf flush door shutter with both sides decorative veneered with black board core banded with high quality phenol formaldehydes synthetic resin of standard make with Aluminium fittings such as hinges, tower bolts, handle, cleat and sand blocks and taxes all complete as per building specification and direction of E/I.	Sqm	7.20	1742.14	12,543.41
		STEEL WORK				
21	5.5.5	Providing Tor steel reinforcement of 10mm, 12 mm & 16 mm dia bars as per approved design and drawing with cutting, bending and binding with annealed wire with cost of wire removal of rust, placing the rods in position (including carriage of bars to work site) all complete as per building specification and direction of E/I.				
	(a)	10 mm (TMT coil of Fe 500) only valid for Tata (Tisco), SAIL, JSPL, Electrosteel steels Ltd. Bokaro and Vizag (RINL)	Per MT	0.47	82096.54	38,657.53
		FLOORING WORK				
22	JSR 5.6.1	Providing designation 75A one brick flat soiling joints filled with local sand including cost of watering taxes royalty all complete as per building specification and direction of E/I.	Sqm	186.90	356.52	66,633.59

C-5

23	JSR 5.6.19	Providing and laying 25mm thick kota stone slab flooring of approved size, texture and colour over 19 mm thick base of lime mortar (1:1:1) (lime putty:surkhi:coarse sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of slab including rubbing and polishing to granolithic finish with approved quality of carborandum stone including cost of curing, taxes and royalty all complete as per building specification and direction of E/l. (i) 300x300 mm size	Sqm	6.30	1699.69	10,708.05
24	JSR 5.6.20	Providing and laying 25mm thick kota stone tiles in risers of steps, skirting and pillars of approved size, texture and colour laid over 12mm. Thick cement mortar (1:3) and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing to granolithic finish with approved quality of carborandum stone including cost of curing, taxes and royalty all complete as per building specification and direction of E	Sqm	4.80	1867.29	8,962.99
25	JSR 5.6.28	Providing and laying Doublecharge vitrified floor tiles in different sizes (thickness to be specified bt the manufacturer) with water absorption less tha 0.08% and conforming to IS : 15622/ISI 13006 of approved make, in all colour and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @3.3kg/ sqm including grouting the joints with white cement and matching pigments etc, complete. Size of Tiles 600x600 mm sizes.	Sqm	404.25	950.33	3,84,170.90
PLASTER WORK						
26	JSR 5.7.1	Providing 12mm cement plaster (1:3) with clean coarse sand F.M 1.5 including screening, curing with all leads and lift of water, scaffolding taxes and royalty all complete as per building specification and direction of E/l.				
		Providing 12mm Thick cement plaster 1:3 (1 cement: 4 coarse sand)	Sqm	676.20	180.60	1,22,121.72
27	JSR 5.7.11	Providing 1.5mm cement punning including curing carriage of water all leads and lift as per building specification and direction of E/l.	Sqm	676.20	54.43	36,805.57
28	JSR 5.7.14	Providing 12mm thick water proofing cement plaster (1:3) with clean coarse sand F.M 1.5 with 5% cico or any other approved water proofing compound including screening, curing with all leads and lift of water, scaffolding taxes and royalty all complete as per building specification and direction of E/l.	Sqm	20.00	189.13	3,782.60
FINISHING WORK						
29	JSR 5.8.9	Extra for cleaning the old surface by scrapping the entire old white wash or colour wash including cost of scaffolding all complete as per direction of E/l.	Sqm	1983.58	12.59	24,973.21
30	JSR 5.8.20	Providing two coats of plastic emulsion paint of approved shade and make over old surface including washing, cleaning and preparing the walls, scaffolding, washing the floor and taxes all complete as per building specification and direction of E/l.	Sqm	1983.58	219.17	4,34,740.13
31	JSR 5.8.31	Providing two coats of synthetic enamel paint of approved shade and make over old wooden surface including cleaning the surface after removing dirt, scales, smoke, grease, and sand papering, including cost of scaffolding etc. all complete as per building specification and direction of E/l.	Sqm	150.00	120.82	18,123.00
32	JSR 5.8.32	Providing two coats of synthetic enamel paint of approved shade and make over new wooden surface including cleaning the surface after removing dirt, scales, smoke, grease, and sand papering, including cost of scaffolding etc. all complete as per building specification and direction of E/l.	Sqm	35.00	214.07	7,492.45
33	JSR 5.8.40	Labour for scrapping old paint with paint remover and below lamp as required on wooden surface or steel surface including cost of labour and materials and scaffolding all complete as per building specification and direction of E/l.	Sqm	340.00	12.01	4,083.40
34	JSR 5.8.43	Providing two coats of painting with ready mixed paint of approved shade and make over steel surface including cleaning the surface throughly, scaffolding and taxes all complete as per building specification and direction of E/l.	Sqm	188.82	70.61	13,332.58
35	DSR 13.26	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	Sqm	500.00	186.04	93020.00
MISCELLANEOUS WORK						
36	JSR 5.10.1	Dismantling pucca brick or lime work including stacking servicable materials in countable stacks with in 15M lead and disposal of unservicable materials with all leads all complete as per building specification and direction of E/l.	Cum	37.50	541.67	20,312.63

Prepared by
24/10/23
D.S.P.M., Ranchi

CONSULTANT ENGINEER (CIVIL)
D.S.P.M. UNIVERSITY
RANCHI (JHARKHAND)

Assistant Engineer
DSR
24/10/2023

37	JSR 5.10.7	Dismantling old plaster and pointing in cement or lime and racking out joints to 15mm. Depth, watering and disposal of unserviceable materials with all leads all complete as per direction of E/I.	Sqm	100.00	21.46	2,146.00
38	JSR 5.10.10	Taking down old door and window shutter including stacking serviceable materials within 15M.lead and disposal of unserviceable materials with in all leads complete as per direction of E/I.	Each	8.00	45.12	360.96
39	JSR 5.10.11	Taking down chaukhats in doors including stacking serviceable materials within 15M.lead and disposal of unserviceable materials with in all leads complete as per direction of E/I.	Each	8.00	89.88	719.04
WATER PROOFING AND THERMAL INSULATION						
40	DSR 14.88	Providing and laying in situ seven course water proofing treatment with APP (Atactic Polypropylene) modified Polymeric memberane over roof consisting of first coat of bitumen primer @ 0.40 litre per sqm, 2nd, 4th & 6th courses of bonding material @ 1.20 kg/sqm, which shall consist of blown type bitumen of grade 85/25 conforming to IS : 702, 3rd and 5th layers of roofing membrane APP modified Polymeric membrane 2.0 mm thick of 3.00 Kg/sqm weight consisting of five layers prefabricated with centre core as 100 micron HMHDPE film sandwiched on both sides with polymeric mix and the polymeric mix is protected on both side with 20 micron HMHDPE film. 7th, the top most layer shall be finished with brick tiles of class designation 10 grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% integral water proofing compound by weight of cement over a 12 mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat (item of laying brick tiles shall be paid for separately)	Sqm	60.00	636.12	38167.20
41	JSR 5.12.8	Providing and filling of 6 mm thick Groove between 25 mm PCC Panels with polysulphide Sealent (Poring Grade) as per drawings and technical specification and direction of E/I. (with 18% GST) Brand-Sika-Polysulphide, Fosroc-Thioflex 600, Dr. Fixit Pidiseal PS (42P),MYK Seal PS or Equivalent.	Per M	60.00	96.75	5805.00
42	DWSD 3.3.8	Supplying material and labour for constructing inspection chamber of class designation 75B bricks size 750mm deep, 650x450mm internal dimension having 250mm wall thickness in cement mortar (1:6) including 12mm cement plaster (1:4) with punning on inside and cement plaster (1:6) with 600x475 mm C.I cover with frame (weight noss less than 39kg) along with earthwork in excavation and 80 mm thick P.C.C (1:3:6) in foundation and refilling all complete as per building specification and direction of E/I.	Each	20.00	8636.35	1,72,727.00
43	M1031	RCC GSR and SUMP				
		Designing (aesthetically), and construction RCC ground service reservoirs/RCC sumps in M-300 mix of required capacity including excavation in all types of strata, foundation concrete, cointainer wall, bottom slab top RCC roof slab / or dome, 20 mm thick cement plaster with water proofing compound in CM 1:3 proportion to inside face of the container, including epoxy paint from inside including refilling and disposing surplus stuff with in leads of 50 M, all labour and materials charges, for laying and joining pipe assembly for inlet, outlet, washout, overflow and bye-pass arrangement consisting of C.I./M.S D/F pipes specials and valve of given diameters, providing and fixing accessories such as M.S ladder inside and outside, C.I Manhole frame and cover, water top slab, B.B masonry chamber for all valves, ventilating shafts, including giving satisfactory hydraulic test and water tightness test as per IS code and providing three coat of cement paints all exposed surface of structure including roof surface etc. complete as per design data, criteria, obligatory requirements and and detailed specifications including Landscaping, Gardening & Plantation etc.		8000.00	13.55	1,08,400.00
		Anti-termite treatment shall be given for under ground portion of the structure				
		Notes				
		1.The design shall be in accordance with various relevant I.S specification (IS 456/2000, IS 875-1987, IS 3370-1965 or revised)				
		2. Only MS bar grade I conforming to IS 432 part-I or high yeild strength deformed bars conforming to I.S 1786 or I.S 1139 shall be used Grade-II M.S bars shall not be used.				
		3. Entire structure shall be in M-300 only.				
		4. The scope of pipe assembly work shall be upto 5 meter beyond out side face of the wall, cost of pipe valve and specials not included in the rate but labour cost for laying and jointing is included.				
		5. The G.S.R/ Sump above 15 lakh liters capacity shall be in two compartments.				

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Assistant Engineer
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		6. The Job includes designing the structure for up lift pressure and dewatering if required during entire execution and disposal of surplus excavated stuff within lead 50 meters as directed by E/I. If up lifts considered in design, then these rates shall be increased by 75%.				
		7. G.S.R outlets shall be with bell mouth of approved pattern in bottom slab and cost of designing bell mouth is included in the rate. Sump well includes cost of suction pit required at bottom.				
		8. For pipes diameters upto 300 mm only CI pipes and CI specials shall be used. For pipe diameters above 300 mm, M.S pipes and specials minimum 10mm thick shall be used with proper anti corrosive epoxy treatment from inside and outside.				
		9. Cost of pump house is not included in these rates.				
		10. Above rates are applicable for Seismic Zones 2,3 and 4.				
		11. 75% part rate shall be payable for reinforcement, concrete and plastering items of all types of G.S.R and Sump still satisfactory hydraulic testing for water tightness test is given and till that work shall be treated as incomplete.				
		12. 10% shall be added for sump if over head pump house is proposed.				
44		HYDT				
	M1035	Cost of drilling 200 mm x 165 mm x 125 meter deep bore well in all kind of soil and rock in rural area for installation of pump set Hydraulic DTH Rig Machine, all complete including supplying all materials, tools, drilling rig, Air compressor and equipments, as well as fuel, lubricants and cost of transportation of Rig machine and other vehicles up to the site				
		Upto 50 meter	Per M	50.00	770.00	38,500.00
		Above 50 meter	Per M	170.00	804.00	1,36,680.00
45	M1036	MS PIPE				
		Supplying all tools, tackles & lowering of 200 mm dia MS ERW casing pipe of 6mm wall thickness including welding charges, cost of pipe etc. all complete job	Per M	30.00	1600.00	48,000.00
46	DSR 23.5	Supplying, filling, spreading & leveling stone boulders of size range 5 cm to 20 cm, in the required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge.	Cum	7.20	1130.56	8,140.03
47	DSR 23.6	Supplying, filling, spreading & leveling gravels of size range 5 mm to 10 mm, in the recharge pit, over the existing layer of boulders, in required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge.	Cum	7.20	1136.37	8,181.86
48	DSR 23.7	Supplying, filling, spreading & leveling coarse sand of size range 1.5 mm to 2 mm in recharge pit, in required thickness over gravel layer, for all leads & lifts, all complete as per direction of Engineer-in-charge.	Cum	7.20	1136.37	8,181.86
49	DWSD 3.1.36	Supplying labours and tools for laying and jointing U.P.V.C pipe in trenches and making joints with U.P.V.C collar and solvent cement, including providing night guard, barrier & red light to safe guard against accident, all complete as per specification and direction of E/I. (U.P.V.C pipe with collar and solvent cement to be supplied departmentally free of cost)				
		110 mm dia	Per M	40.00	58.43	2,337.20
50	DWSD 3.1.39	Supplying labours and tools for laying and jointing U.P.V.C specials in trenches, all complete as per specification and direction of E/I. (U.P.V.C special, like tee, bends taper collar to be supplied departmentally free of cost)				
		Bend or Taper				
		110 mm outer dia	Each	6.00	128.79	772.74
		Tee				
		110 mm outer dia	Each	6.00	216.97	1,301.82
51	M-1266	U-PVC (working pressure 4 kg/cm ²) Single socketed pipe 110mm dia	metre	40.00	130.00	5,200.00
52	M-1270	UPVC coupler for UPVC drainage pipes 110mm	Each	50.00	39.00	1,950.00
53	M-1274	UPVC single equal Tee (without door) 110x110x110 mm	Each	6.00	81.00	486.00
54	M-1278	UPVC bend 87.5° 110mm bend	Each	8.00	59.00	472.00
55	DSR 15.44	Dismantling G.I pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 meters lead as per direction of E/I.				
	15.44.1	15mm to 40mm nominal bore	meter	200.00	107.73	21,546.00
56		Disposal of building rubbish/malba/similar unserviceable material, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by E/I, beyond 50m initial lead, for all leads including all lifts involved.	CUM	60.00	193.90	11,634.00

57	DSR 18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, 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.				
		Concealed work, including cutting chases and making good the walls etc. Internal work				
	18.8.1	15 mm nominal outer dia Pipes	Per Meter	40.00	382.97	15,318.80
	18.8.4	25 mm nominal outer dia Pipes	Per Meter	40.00	543.49	21,739.60
58	DSR 18.9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings. This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work				
	18.9.6	50 mm nominal dia Pipes	Per Meter	220.00	704.78	1,55,051.60
59	DSR 21.1	Providing and fixing aluminium 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, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium 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 and paneling to be paid for separately) :				
	21.1.1	For fixed portion.				
	21.1.1.1	Anodised aluminium (anodised transparent or dyed to required shade according to IS :1868, Minimum anodic coating of grade AC-15)	kg	45.00	376.72	16,952.40
60	DSR 21.1.2	For shutters of door, windows & ventilators including providing and fixing hinges/pivots and making provision for fixing of fittings wherever required including cost of EPDM rubber/ neoprene gasket required (Fitting shall be paid separately)				
	21.1.2.1	Anodised aluminium (anodised transparent or dyed to required shade according to IS :1868, Minimum anodic coating of grade AC-15)	kg	35.00	461.67	16,158.45
61	DSR 21.3	Providing and fixing glazing in aluminium 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 aluminium snap beading shall be paid in basic item):				
		With float glass panes of 4.0 mm thickness (weight not less than 10kg/sqm	sqm	8.00	885.32	7,082.56
62	DSR 2631	4 mm thick ACP panelling in toilets doors	sqm	12.00	1100.00	13,200.00
63	DWSD 3.2.1	Supplying, fitting and fixing vitreous white glazed earthen ware I.W.C. of parry Hindustan or any other I.S.S approved make with 100mm H.C.I 'p' trap 15 liters C.I pull and let go flushing cistern of names or other I.S.S equivalent make, complete with all fittings, C.I or C.C brackets 32mm alkathene/P.V.C telescopic flush, pipe about 2M long with one brass coupling and clamps G.I chain and pull including supplying and fixing a pair of vitreous white glazed earthenware footrest to be fixed in floor 15mm C.I body brass spindle stop cock weight not less than 50grms, 15mm P.V.C connection pipe 450mm long and exposed pipe and cistern with two coats of approved paints over a coat of red oxide primer etc. all complete as per specification and direction of E/I.				
	(B)	510mm long				
	(c)	with 10 liters low level PVC cistern	Each	1.00	4501.63	4,501.63
64	DWSD 3.1.5.1	Providing and fixing male ended 15mm dia brass bib cock of approved quality (wt. not less than 350gms), with extra socket all complete as per specification and direction of E/I.	Each	8.00	354.59	2,836.72
65	DSR 9.70	Providing and fixing chromium plated brass butt hinges with necessary chromium plated brass screw etc. Complete.				
	9.70.1	125x64x1.9 mm (ordinary type)	Each	24.00	82.906	1,989.74
66	DSR 9.63	Providing and fixing ISI marked oxidised M.S tower bolt black finish, (Barrel Type) with necessary screw etc. Complete : (copper oxidized				

[Signature]
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