



OFFICE OF THE CHIEF DISTRICT MEDICAL & PUBLIC HEALTH OFFICER
Dist. HQtrs. Hospital Campus, Jajpur-755001

DEPARTMENT OF HEALTH & FAMILY WELFARE
GOVT. OF ODISHA

DETAILED TENDER CALL NOTICE
(TCN no-4227/2021-22, Dated- 14/12/21)

For the Financial Year-2021-22

1. Sealed percentage rate bids are invited on single cover system from the registered Contractors of State Govt. C & D class contractors in prescribed form to be eventually drawn in P.W.D. form No. P1 and will be received at O/o Chief District Medical & Public Health Officer, Jajpur up to **2.00 PM** Dated- 22.12.2021 for the works as mentioned in the TCN and will be opened on the same day at **4.00PM** before the tender committee in the presence of the tenderers or their authorized representatives. The amount of the estimate is approximately as mentioned in Column no-3 of TCN.

2. The Detail documents to be furnished:

- a. The tender document (DTCN & BOQ) duly signed by the Contractors
- b. The self attested photo copy of valid GST certificate
- c. The self attested photo copy of PAN card
- d. The self attested photo copy Registration Certificate
- e. Affidavit regarding correctness of information /Certificates. (Schedule-F)
- f. Bid security Declaration .
- g. The self attested photo copy of Receipt against cost of bid documents.

3. The name of work should be written on the top of the envelope and one envelope should contain documents for one work only. If found documents more than one work in one envelope, the authority reserves the rights to cancel the tender applied for.

4. The tenderers should please note that the work will have to be completed within time period as mentioned in column no-6 of TCN commencing from the date of issue of work order. Tenderers are required to submit detail programme of works along with the tender which they consider necessary keeping in view of the clause 2 of the P.W.D. Form No.- P1/F₂. Without these programmes of works, the tender will be considered defective. Authority for acceptance of tenders would rest with Chief District Medical & Public Health Officer, Jajpur.

5. Tenderers are not required to pay earnest money(EMD) but Bid Security declaration should be furnished as per office memorandum 8943 date 18.03.2021 of Finance Dept , Govt. of Odisha.

6. (a) The plan & specification for the work can be seen at the office of the Chief District Medical & Public Health Officer (DPMU Engineering Cell) during working hours and days. Complaints at a future date that the plan and specifications have not been seen can not be entertained. The contractor may be obtained a set of tender documents (DTCN & BOQ) for the work from office of the Chief District Medical & Public Health Officer (DPMU Engineering Cell) during working hours and days on payment of cost of tender paper. The tender paper cost as mentioned in TCN should be accompanied along with the tender paper in shape of **Demand draft of Rs.6,000/- from any Nationalized Bank** drawn in favor of "**ZSS Non NRHM**" Jajpur payable at Jajpur. The amount is not refundable. The name of the tenderer and the name of the work are to be super scribed on the cover.

(b) All other information's can be obtained on application to the Chief District Medical & Public Health Officer, Jajpur.

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The authority will not be responsible if any portion of the tender document is modified and in all cases this conditions stipulated in the original document kept in the office of the undersigned shall prevail.

(c) The organization will not be held responsible, if there is any delay in receipt / non-receipt of tender documents sent through registered / Speed post by the scheduled date and time.

7. Chief District Medical & Public Health Officer, Jajpur reserves the right to reject any or all the tenders received without assigning any reasons there of.

8. The 1st lowest tenderer whose tender is selected for acceptance shall within a period of seven days upon written information being given to him of acceptance of his tender make an earnest money 1% and initial security deposit @ 1 (One percent) of the quoted amount. So that the earnest money and initial security deposit will be 2% of the quoted amount as shown in clause 3 above and sign the agreement in the P.W.D. Form No.-P1/F₂ for due fulfillment of contract in the office of the Chief District Medical Officer, Jajpur.

No tender shall be finally accepted until; the required amount of security money is deposited. The written agreement to be entered into between the contractor and the ZSS, Jajpur on behalf of the Government. The department will accept the security deposit in the form of N.S.C., POSBA., Postal Time Deposit Pass Book duly pledged to CDM & PHO, Jajpur and in no other form. In case of tenderers who have made fixed deposits, action will be taken to degrade them if they decline to sign the agreement within the period as in above case.

9. **The rates should be quoted in words and figures in the respective BOQ** of the work otherwise the tender will be liable for rejection. In case of discrepancy between words and figures, the words shall prevail and in case of discrepancy between unit rate and total, the unit rate shall prevail. The rates should be quoted in Rupees and Paise, but not in Rupees and annas. The tender shall be written legibly and free from erasures, overwriting's or conversation of figures. Corrections where unavoidable should be made by scoring out initialing dating and rewriting. The tender should also show total of each page and grand total of whole tender.

10. The contractors shall be responsible for payment of all royalties or other charges / taxes for quarrying materials.

11. The contractor should be fully liable to indemnify the department for payment of any compensation under "Workman" compensation Act. VII of 1023 on account of the workmen being employed by him and the full amount of compensation paid will be recovered from the contractor.

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12. Every tenderer must examine the detailed specification of Orissa before submitting his tender. The rights is reserved without impairing the contract to make such increase in the quantities or items of work mentioned in the 'scheduled attached to the tender notice as may be considered necessary to complete the work fully and satisfactory. Such increase or decrease shall in no case invalidate the contract or rates. It shall be definitely understood that the Govt. do not accept any responsibility for the correctness or completeness of the quantities shown in the schedule. The schedule is liable to alteration by omission or additions or deduction and such omission deduction shall in no case invalidate the contract and no extra monetary compensation will be entertained.

Department will not supply any materials what so ever for the work. The tenderer shall be financially solvent and stable for advance procurement of all materials required for the work vide Government of Odisha Finance Department Memo No.-48443 / F Code- 46 / 95 dated 11.12.1995.

13. All reinforced cement concrete work should confirm to Orissa Detail standard specification & should be of grade M 150 and M 200 equivalent to nominal proportion 1:2:4 / 1:1.5:3 having minimum compressive strengthen in work test of 150 Kg/ Cm² / 200 Kg / Cm² in 15 Cm. cubes at 28 days after mixing and test conducted in accordance with 1: S-456 & 516 using 12mm. to 20mm. size hard black crusher broken granite chips. (20mm size not to exceed 25%)

14. Shuttering and centering shall be with seasoned sal wood planks and the inside of which shall be lined suitable sheeting and made leak proof and water tight or alternatively steel shuttering and centering may be used.

15. For the purpose of jurisdiction in the event of dispute if any the contract should be deemed to have been entered into within the State of Odisha and it is agreed that neither partly to the contract at any place outside the State of Odisha

16. After the work is finished all surplus materials and debris are to removed by the contractor and preliminary work such as vats, mixing platform etc. are to the dismantled and all the materials are to be removed from the site. The ground upto 15m wide from the building should be cleared and rough dressed. No extra payment will be made to the contractor on this account. The rate quoted should be inclusive of all these items.

17. The contractor shall not interface with the execution of water supply or electrical fittings arrangement and any other works entrusted to any other agency by the department at any time during the progress of the work.

18. The department will have the right to inspect the scaffolding and centering made for the work and can reject partly or fully such structures if found defective in their opinion.

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19. The contractor will have to arrange for water supply for all works and make sanitary arrangements at his own cost for his labour camps. Contractor has to arrange adequate lighting arrangements for night work whenever necessary at his own cost.
20. Baling out water from the foundation either rainwater or sub-soil water if necessary should be borne by the contractor. No payment will be made for bench marks, level pillars profiles and enching and leveling ground where required. The rates quoted should be for finished items of work inclusive of these incidental items of work.
21. All the quantities mentioned in the schedule are combined for ground floor and multifoors incase multistoried building the rates should be through for the same unless otherwise mentioned in the schedule of quantities for individuals items.
22. Cement concrete in roof slab beams etc. wherever prescribed by the Engineer in charge shall be machine mixed and vibrated and the contractor should arrange his own concrete mixers, vibrators and pumps etc. for the purpose.
23. It should be understood clearly that no claim what so ever will be entertained.
24. The tenderer shall have to abide by the CPWD safety code rule introduced by the Government of India Ministry of Works, housing and supply in their standing orders No. 44 to 50 dated 25.11.1957 .
25. Tenders are required to abide by the fair wage clauses as introduced by the Government.
26. The society will have the right to supply at any time in the interest of work any departmental materials to be used in the work and the contractors shall use such materials without any controversy or dispute on that account. The rate of such materials will be at stock issue rates fixed by the departmental plus storage charges or market rates whichever is higher.
27. The contractor will be responsible for the loss or damage of any departmental materials equipments supplied to him during execution of the work due to reason whatsoever and cost of such materials will be recovered from him at prevailing stock issue rates plus storage charges or market rates whichever is higher.
28. The contractor should arrange at his own cost necessary tolls and plants machines concrete mixer & vibrators and other machineries such as pumps etc. required for the efficient execution of the work and rates quoted should be inclusive of the running charges of such plant and cost of consumable.

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29. No part of the contract shall be sublet without written permission of Chief District Medical Officer, Jajpur or transfer be made by power of attorney authorizing others to receive payment on the contractor's behalf.
30. Cement shall be used by bags and weight of cubic meter of cement being taken as 14.42qtl.
31. In the event of any delay due to Department in the supply of departmental materials or supply of detailed structural designs for unavoidable reasons, reasonable extension of time will be entertained under any such circumstances, for which no claim undertaking has to be furnished by the contractor in the prescribe Performa along with the application for extension of time submitted by him.
32. No contractors will be permitted to furnish their tenders in their own manuscript papers.
33. Every tenderer is expected before quoting his rates to inspect the site of proposed works. He should also inspect the quarries and satisfy himself about the quality; availability of materials medical aids labor food stuffs etc. and the rates should be inclusive of all items of works. In every case the materials must comply with the relevant specifications and samples of stone metals chips etc. and other materials to be used are to be deposited in sealed bags duly labeled nothing the name of quarry under dated initials by the tenderer for approval of the Chief District Medical Officer, Jajpur.
34. Government will not however after acceptance of contract rate pay any extra charges for lead or any other reason in case the contractor is found later on to have misjudged the materials available.
35. All fittings for doors and windows if supplied by the contractor should be of best quality and should be got approved by Assistant Engineer, NHM, Jajpur, before they are used on the work.
36. The tender containing extraneous conditions not covered by the tender call notice are liable for rejection.
37. All the tenders received will remain valid for a period ninety days from the date of receipt tenders. The period of validity can also be extended if agreed to by the Department and the contractor.
38. After completion of the work, the contractor shall arrange at his own cost all requisite equipments for testing building if found necessary and bear the entire cost of such test.

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39. All reinforced cement concrete works like lintels, column, beam chhajja, roof slab and other such works should be finished smooth and no extra charges for plastering if required shall be paid by the department.
40. Tenderer is required to quote reasonable rates for each item of the work carefully so that the rate for one item should not be unworkably low and others too high.
41. The tenderer shall bear cost of various incidental sundries and contingencies necessitated by the work falling within following or similar category.
- (a) Rent, royalties and other charges of materials including tax, ferry / tolls conveyance charges and other cost on account of land and building including temporary building required by the tenderer for collection of materials storage housing of staff or other by the tenderer for purpose of work. No rent will however be payable to Government for temporary occupation of land or owned by Government at the site of the work.
 - (b) Labour camps and huts necessary to suitable scale including conservancy and sanitary arrangements there on to the satisfaction of the local health authorities.
 - (c) Suitable water supply including pipe water supply wherever available for the staff and labour as well as for works.
 - (d) Fees and dues hired by Municipal. Canal and water supply authorities.
 - (e) Suitable equipments and wearing apparatus for the laborers engaged in risky operation.
 - (f) Suitable fencing barriers signals including paraffin and electrical signal where necessary at works and approaches in order to protect the public and employees from accidents.
 - (g) Compensation including cost of any suit for injury to persons or property due to neglect of any major precautions also sums which may become payable due to operation or Workmen's compensation Act.
 - (h) The contractor has to arrange adequate lighting arrangements for night works wherever necessary at his own cost.
 - (i) The contractor has to arrange all the building materials including the equipments required for under reamed pile foundation for starting the work.
42. Under section 12 of the Contract labour regulation & abolition Act 1970, the contractor who undertakes execution of work through labour should produce valid license from licensing authority of labour department.

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43. Under no circumstances interest is chargeable for the dues or additional dues, if any payable for the work.

44. If the contractor quotes abnormally low rates for some items and the department decides to accept the tenders then the department would have the discretion of with holding the differential cost between the amount of low rated items and corresponding estimated amount from their payment due against other item till such low rated items are completed in full as approved specification.

45. Additional performance security: Additional performance security shall be obtained from the bidder when the bid amount is less than estimated cost put to tender. In such an event, only the successful bidder who has quoted less bid price/rates than the estimated cost put to tender shall have to furnish the additional performance Security. The rate of Additional performance security shall be as below. The additional performance security as per clause shall be furnished by the bidder before execution of the agreement in the form of NSC/ KVP/ POTD pledged in favour of CDM & PHO, Jajpur in shape of Fixed Deposit Receipt at any schedule bank, which will be over and above the performance security.

Sl No	Difference between the estimated cost put to tender and bid amount.	Additional Performance Security to be deposited by the successful bidder
i	Below 5%	No Additional Performance security
ii	From 5% and above below 10%	50% of (Difference between estimated cost put to tender and bid amount)
iii	From 10% and above	150% of (Difference between estimated cost put to tender and bid amount)

46. Affidavit to be furnished by the contractor in Rs: 20/- stamp paper at the time of submitting of Tender about the authentication of Tender documents.

An affidavit shall be furnished by the contractor at the time of submission of Tender papers about the authentication of tender documents including Bank Guarantee (Vide Govt. of Orissa, Works Department Code-14/2004-9414, dt-08.06.04, concurred by Law Department Finance, vide their U.O.R. No.-1242, dt-05.08.03 and No.-193/WF-I, dt-04.03.04 respectively).

47. All further communications regarding this tender will be done through NIC, Jajpur.

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SCHEDULE -F

AFFIDAVIT
(On Rs: 20/- stamp paper)

- 1.The undersigned, do hereby certify that all the statements made in the required attachments are true and correct.
- 2.The undersigned also hereby certifies that neither our firm M/s _____ nor any of its constituent partners have abandoned any road/ bridge/Irrigation /Buildings or other project work in India nor any contract awarded to us for such works have been rescinded during the last five years prior to the date of this bid.
- 3.The undersigned hereby authorized and request (s) any bank, person, firm or Corporation to furnish pertinent information as deemed necessary and as requested by the Department to verify this statement or regarding my (our) competency and general reputation.
4. The undersigned understands and agrees that further qualifying information may be requested and agree to furnish any such information at the request of the Department.

(Signed by an Authorized Officer of the firm)

Title of Officer

Name of Firm

Date

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BID SECURITY DECLARATION
(On Bidders Letter head)

Date :

TCN No:

To,
The CDM & PHO, Jajpur

I/we understand, declare that,

I/we understand that, according to your condition, bids must be supported by a Bid Security Declaration.

I/we accept that the Authority /Employer/Tender Inviting Authority shall Cancel my/Our empanelment and /or suspend /prohibit/debar /blacklist from participating in bidding in any contract of the state for minimum period of 180 days . If I/ We are in breach of our obligation(s) under the bid condition because I /We

- a) Have withdrawn/modified/amended, impairs or derogates from the tender , my/our Bid during the period of bid validity specified in the form of Bid or
- b) Having been notified of the acceptance of our Bid by the purchaser during the period of bid validity (I) fail or reuse to execute the contract, if required or (ii) fail or reuse to furnish the Performance Security, in accordance with the instructions to Bidders.

I/We understand this Bid Security Declaration shall cease to be valid if I am /we are not the successful bidder upon the earlier of (i) the receipt of your notification of the name of the successful Bidder , or (ii) after the expiration of the date of bid validity of my/ our Bid.

Signature of the bidder

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BILL OF QUANTITIES

Name of the Work- Construction of Day care Sub Center-cum-health & Wellness Center at Balichandrapur under Badachana Block.

Tender Call Notice No	:- 4227, dt. 14/12/2021
Estimated Cost	Rs. 2211281.00
E.M.D. to be deposited	:- 1% of estimated cost.
Class of Contractor	:- 'D' & 'C' Class
Time of Completion	:- 3 (Three) Calender months
Last date of receipt of tender paper :-	22/12/2021 upto 2 PM
Date of opening of tender paper :-	22/12/2021 at 4.00 PM

Sl. No	Description of items	Unit	Quantity	Rate	Amount
1	Earthwork in all kinds of soil within 50m initial lead and 1.5m initial lift including dressing and levelling the bed with cost of all labour T&P etc	Cum	116.35	164.64	19155.86
2	Filling F&P with sand well watered and rammed with cost of all labour T&P etc complete.	Cum	119.15	480.15	57209.87
3	Cement concrete (1:3:6) with 4cm size hard granite metal including watering curing and cost of all labour T&P etc complete.	Cum	28.22	4409.36	124432.14
4	Brick work with Fly ash bricks havingcrusing strength between 149kg/cm ² in cement motar (1:6) with cost,coveyance,royalty watering&curing etc. complete. In foundation and plinth	Cum	50.64	4253.72	215408.38
5	RCC concrete (M-20) with 20mm & down graded size hard granite chips including cost, conveyance, royalty, taxes, watering and curing etc. complete.				
	Column Base-	Cum	14.59	4857.31	70868.15
	Plinth Beam-	Cum	5.73	5218.56	29902.35
	Column & Beam-	Cum	3.21	12406.71	39825.54
	Lintel-	Cum	3.10	8511.00	26384.10
	Stair case-	Cum	2.00	10997.51	21995.02
	Chajja-	Sqm	13.47	776.47	10459.05
	Roof Slab-	Cum	11.39	8997.91	102486.19
	Shelves	Sqm	20.00	658.90	13178.00
6	Supplying, fitting and placing un coated HYSD bar reinforcement complete as per drawing and technical specification.	Qtl	41.00	8883.34	364216.94
7	Brick work with Fly ash bricks havingcrusing strength between 149kg/cm ² in cement motar (1:6) with cost,coveyance,royalty watering&curing etc. complete. In Superstrudture	Cum	62.12	4287.05	266311.55
8	16mm thick cement plaster (1:6) over brick or stone masonry with cost of all materials and all labour etc. complete.	Sqm	293.72	198.83	58400.35
9	12mm thick cement plaster (1:6) over brick work with cost of all materials and all labour etc. complete.	Sqm	215.33	139.54	30047.15
10	20mm thick CP(1:4) over roof slab for grading plaster with cost of all materials and all labour etc. complete.	Sqm	113.29	220.46	24975.91
11	Dressed seasoned sal wood work framed and fixed (wrought and put up) in trusses, purlines, frames of doors, windows, ventilators and beams including all labour T&P etc complete.	Cum	0.24	48102.16	11544.52
12	Supplying fitting and fixing of MS window grills of approved design including cost of all materials all labour T&P etc complete.	Kg	750.65	80.00	60052.00

13	32mm piasal wood or local Teak wood paneled shutters moulded panels with all labour, iron fittings, and wooden hinged cleats etc fitted and fixed complete in all respect excluding the cost of iron fittings.	Sqm	10.33	3,048.85	31494.62
14	Providing and Fixing granite tiles in floors treads or steps and landing on 25mm thick bed of cement mortar (1:1) jointed with neat cement slurry mixed with pigment to match the shades of the tiles including rubbing and polishing complete including cost of tiles .(Ref. P-90, sl-17 of A/R- 06)	Sqm	8.00	1,761.86	14094.88
15	Supplying fitting and fixing vitrified tile in floors of size 600mm x 600m of approved make confirming to US 13755 laid on 20mm thick CM(1:4) and filling joints with white cement of approved quality including cost of all materials labour T&P etc required for the work all complete.	Sqm	78.59	1,254.42	98584.87
16	Fixing tiles in dados skirting and risers of steps on 12mm thick CP(1:3) jointed with neat cement slurry mixed with pigments to match the shade of the tiles including rubbing and polishing complete including cost of precast tiles.	Sqm	46.45	1,074.22	49897.52
17	Fixing Checkered tiles in floors and steps and landing on 25mm thick bed of cement mortar 1:1 etc complete.	Sqm	8.00	643.45	5147.60
18	Supplying, fitting, and fixing Glazed tile in floors of approved make conforming IS:13755 laid on 20mm thick CM(1:4) and filling joints with white cement of approved quality including cost of all materials labour T&P etc as per direction of Engineer-in charge.	Sqm	20.00	674.85	13497.00
19	Priming one coat with any approved primer including cost conveyance,taxes of all materials to site and all labour charges complete (Data for 9.3 Sqm)AR,P-93,sl-1	Sqm	587.64	58.53	34394.57
20	Wall painting two coats to walls with plastic emulsion paint of approved shade on new work two coat to give an even shade including cost of paint per 1 sqm.(Ref. P-99, item-20 of A/R- 06). Data 10 sqm	Sqm	372.31	86.53	32215.98
21	Finishing walls with weather coat two coats including cost of cement paint & labour charges.	Sqm	215.33	71.47	15389.64
22	Painting two coats with any approved paint over a coat of primer with cost of paint, primer & labour T&P etc complete.	Sqm	77.50	201.94	15650.35
23	Supplying & fixing of PVC Door including all cost of labour, materials etc complete.	Sqm	4.88	2500.00	12200.00
24	Supplying ,fitting & fixing of stainless of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with Balustrade of size 32mmx32mm x2mm @ rate 0.90mtr . c/c and stainless square pipe bracing of size 32mmx32mmx2mm in 3 rows in stair case as per approved design and specification, buffing , polishing etc with cost ,conveyance, taxes of all materials , labour, T&P etc. required for the complete in all respect.	Rmt	5.50	3499.55	19247.53
25	Supplying, fitting and fixing of WI clamps 25 cm to 30 cm long in choukaths of door and window with CC(1:2:4) with all labour T&P etc complete.	Each	94.00	11.20	1052.80
(A) SINKING OF BORE WELL					
26	Supplying all materials, labour, T&P & setting up boring equipments including erection of suitable staging for installation of required size of tube wells, dismantling & removing the same after completion of the work including transportation of boring equipments cleaning & leveling the site excavation of mud pit channels etc. all complete as per direction of Engineer-in-charge.	Each	1.00	10593.00	10593.00

	Supplying all labour, T&P & transporting the boring pipes & top casing grouting pipes, PVC pipes & fittings, PVC well screens, bentonite & gravels etc to work site & return of departmental materials after use including loading & unloading etc. all complete as per direction of Engineer-in-Charge.	Each	1.00	1727.27	1727.27
28	Supplying all labour, T&P & drilling pilot bore not less than 102mm dia without casing pipes in all kinds of soils & rocks for the following depths excluding of supply of necessary boring pipes, including supply of necessary cutting equipments extra socket wherever required & withdrawing the boring pipes washing & keeping the bore clear for logging if required as per the direction of Engineer-in-Charge. (Drilling pilot bore)	Each Mtr	55.00	989.00	54395.00
29	Supplying all labour, T&P & reaming the pilot bore to the following size & depth without casing pipes including withdrawing the casing pipes, washing the bore by means of pipe cylinder etc. complete as per the direction of Engineer-in-Charge. (Reaming from 100mm to 150mm dia).	Each Mtr	30.00	130.00	3900.00
30	Supplying all labour, T&P & jointing materials & lowering the PVC casing pipes fittings & well screens in position including fitting fixing of centralizer, cutter plug & washing the bore as per direction of Engineer-in-Charge.				
	a) Lowering of 125mm dia PVC Pipe :	Each Mtr	30.00	43.00	1290.00
	b) Lowering of 50mm dia PVC Pipe :	Each Mtr	25.00	30.90	772.50
31	Supplying all labour, T&P and grouting with cement slurry for sanitary sealing in the bore around the uppermost 3.00 mtrs. of 125 / 100 mm. dia PVC casing pipes properly etc.all complete including cost, conveyance, royalty of all materials as per the direction of the Engineer-in-charge.	Each	1.00	1942.00	1942.00
32	Supplying all labour, T&P & developing the tube well with 8 hours continuous pumping per day for seven consecutive days or till sand free clear water is obtained as per direction of the Engineer-in-charge.	Each	1.00	1581.00	1581.00
33	Supplying all labour, T&P for fitting & fixing of IMII tube well hand pump with C.I cylinder, 12mm B.S. connecting rod, 32mm/ 40mm dia G.I / PVC pipe of required length with supply of extra sockets of approved make etc. complete as per direction of the Engineer-in-charge.	Each	1.00	1507.00	1507.00
34	Supplying all labour T&P & materials for construction of tube well platform as per UNICEF design, with C.C (1:2:4) including excavation of earth pit of size (0.76x0.76x0.30) for H.P leg, grouting with C.C & keeping the top of the platform minimum 1 foot high from existing road level & its parapet of size 1.85 m dia etc including documentation before & after construction of platform as per direction of the Engineer-in-charge.				
35	(a) Platform :	Each	1.00	5183.00	5183.00
36	(b) Drain :	Each Mtr	3.00	389.00	1167.00

37	Polythil chloride (pvc pipe) asa per ASTM-D-1785-04 having threads in accordance with DIN/BIS specification.Length of pipe (Laying length) will be 5 mtr both end threaded with external thread at one end (Male thread) and internal thread at other end (Female thread) with a groove at the root of the male thread to accomodate flexible PVC/Rubber o ring to make the joint water tight ,colour of the pipe shall be blue etc complete including the cost of threading and belling O ring etc.				
	125 mm ND ASTM-D PVC pipes(Sch,-80)	Each Mtr	30.00	852.30	25569.00
	50 mm ND ASTM-D PVC pipes(Sch,-80)	Each Mtr	19.00	205.74	3909.06
	50 mm ND ASTM-D PVC stainer pipes	Each Mtr	6.00	250.00	1500.00
	125 mmx50 mm dia ND pvc reducer socket.	Each	1.00	275.00	275.00
	50 mm dia CI plug cutter	Each	1.00	150.00	150.00
38	ISI marked deep well hand pump standard (SDWP) confirming to IS No 15500(P1-2)/2004 copmpleted with accessories and along with 8 nos of 32 mm nominal bore hot dip galvanised screwed and socked,fitted with solid bar socket fitted at one end and thread protector at the other end and with 8 nos of 12 mm dia connecting rod made of bright bar electro galvanised fitted with coupler and fitted with stand assembly suitable for use in bore well/casing of 100 mm and 125 mm.N.B min.(Composite set)	Each	1.00	12000.00	12000.00
(B) PUMP SET INSTALLATION					
39	Supplying T&P,material including taxes of ISI marked star labeled single phase vertical stainless steel submersible pump set (KSB / Kirloskar / Crompton / Texmo / CRI etc. make) suitable for 125 mm dia bore with discharge of 1.00 LPS & 55 mtr head along as per direction of the Engineer - in- Charge.	Each	1.00	12500.00	12500.00
40	Supplying all labour for lowering of the above pumpset as per the direction of the Engineer-in-Charge.	Each	1.00	3000.00	3000.00
41	Supplying all T&P,material including taxes of ISI marked control panel suitable for the required pump set as per direction of the Engineer - in Charge. Suitable for 1.00 HP pump set:	Each	1.00	3200.00	3200.00
42	Supplying, fitting & fixing of 2.5 sqmm 3 core copper Flat cable.	Each Mtr	40.00	80.00	3200.00
43	Supplying, fitting & fixing of all electrical material like main switch,wire,cutout, etc for pump set operation etc complete as per direction of engineer in charge	Each	1.00	3000.00	3000.00
44	Supplying, fitting & fixing of 32mm dia HDPE (PN:10) column pipe including cost of nut bolt & rubber insertion with all taxes carriage & labour etc. for lowering of pump set	Each Mtr	25.00	80.00	2000.00
45	Supplying all labour for lowering of the above pumpset as per the direction of the Engineer-in-Charge.				
	32 mm dia full way valve	Each	1.00	1549.00	1549.00
	Plastic rope	Each Mtr	25.00	20.00	500.00
	32 mm dia steel nipple to connect HDPE pipe	Each	2.00	380.00	760.00
	Steel nut & bolt to connect HDPE pipe	Each	2.00	120.00	240.00
	32mm X 25mm reducer socket	Each	1.00	80.00	80.00
	Bore well cover	Each	1.00	650.00	650.00

	S clamp	Each	1.00	300.00	300.00
C) External & Internal PH Work					
46	Fixing Wash Down Water Closet (European type W.C pan) with integral 'S' or 'P' trap conforming to IS 2556 : Part 8-2004, to the floor with wooden plug and chromium plated screws including jointing the trap with soil pipe in cement mortar (1:1) etc all complete as per specification. (Seat and cover to be measured and paid for separately)	Each	2.00	2331.10	4662.20
47	Fixing plastic seat and cover for wash down water closet with chromium plated brass hinges and rubber buffers all complete as per specification.	Each	2.00	611.60	1223.20
48	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.	Each	3.00	1488.00	4464.00
49	Fixing wash basins with hole for pillar taps conforming to IS 2556 : Part 4-2004 with Cast Iron or M S brackets painted white including cutting holes in walls and making good the damages etc all complete as per specification.	Each	3.00	2282.70	6848.10
50	Fixing pedestal for wash basin complete recessed at the back for the reception of pipes and fittings	Each	3.00	2041.80	6125.40
51	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required. Stainless steel kitchen sink - with drain board 510x1040 mm bowl depth 250 mm	Each	1.00	3338.50	3338.50
52	Fixing bowl pattern urinal conforming to IS 2556 : Part 6-1996 including connecting the urinal of 430x260x350 mm or 340x410x265 mm sizes respectively with waste pipe by means of white lead mixed with chopped hemp etc all complete as per specification.	Each	2.00	1840.50	3681.00
53	Fixing glazed earthenware squatting plate of size 600mmx350mm conforming to IS 2556 : Part 6-1995 with integral longitudinal flushing pipe including embedding the plate in 25mm cement mortar (1:8) laid over 150mm cement concrete (1:4:8) using 40mm hard granite metal etc all complete as per specification.	Each	1.00	2501.20	2501.20
54	Fixing water closet, squatting pan (Indian type W.C pan) conforming to IS 2556 : Part 3-2004 duly embedded in cement concrete (1:4:8) using hard granite metal 4cm nominal size all complete as per specification	Each	1.00	2412.60	2412.60
55	Fixing 15mm dia PVC inlet connection pipe and making connection with pillar cocks and supply mains for wash basin complete as per specification	Each	5.00	93.90	469.50
56	Fixing PVC waste pipe of following nominal diameter for wash basin or sink including brass check nut complete as per specification	Each	4.00	84.30	337.20
57	Fixing Chromium Plated Brass Shower rose with 15mm or 20mm inlet including polishing all complete as per specification.	Each	3.00	354.60	1063.80
58	Fixing 600mm x 450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C sheet or plywood sheet and fixed to wooden plugs with chromium plated brass screws and washers complete as per specification.	Each	5.00	708.80	3544.00
59	Fixing standard sized glass-shelf with Chromium Plated brass brackets and guard rails complete, fixed to wooden plugs with Chromium Plated brass screws as per specification.	Each	5.00	599.40	2997.00
60	Fixing standard sized Chromium Plated brass towel ring fixed to wooden plugs with Chromium Plated brass screws, complete as per specification.	Each	3.00	427.20	1281.60

61	Fixing standard sized Chromium Plated brass towel rail complete with Chromium Plated brass brackets fixed to wooden plugs with Chromium Plated brass screws, complete as per specification. AKP 35711P (Jaquar)	Each	3.00	824.80	2474.40
	Fitting fixing of P.H fixtures				
	15mm. Dia CP Brass Angle Stop cocks	Each	7.00	713.80	4996.60
	15mm. Dia CP Brass short body Bib cock	Each	3.00	698.50	2095.50
	15mm. Dia CP Brasslong body Bib cock	Each	3.00	755.30	2265.90
	15mm dia Brass Screw-down Bib Cock	Each	2.00	412.30	824.60
	15mm dia C.P concealed stop cock	Each	3.00	856.70	2570.10
	15mm Dia CP Brass pillar cock	Each	3.00	694.30	2082.90
	soap holder	Each	5.00	156.70	783.50
	100mm dia round grating	Each	6.00	71.00	426.00
	32 mm dia waste coupling	Each	6.00	108.40	650.40
	32mm dia Urinal waste coupling	Each	1.00	126.20	126.20
	CP Health Foucet with 1.0 mtr PVC Tube	Each	2.00	637.60	1275.20
	15mm dia CP urinal spreader	Each	2.00	663.80	1327.60
	15 mm CP 2 in 1 Bib cock .	Each	3.00	999.40	2998.20
	25 mm PVC Ball Cock with Rod and Ball	Each	1.00	690.30	690.30
	25 mm PVC Ball Valve (FT)	Each	4.00	246.50	986.00
	32 mm PVC Ball Valve (FT)	Each	2.00	275.10	550.20
	25 mm UPVC-ASTM Tank Nipple	Each	4.00	42.00	168.00
	32 mmUPVC-ASTM Tank Nipple	Each	4.00	86.80	347.20
	25mm dia GI SHORT PIECE	Each	2.00	22.20	44.40
	32mm dia GI SHORT PIECE	Each	2.00	22.20	44.40
	32mm dia PVC .Union	Each	2.00	80.40	160.80
	25mm diaPVC.Union	Each	4.00	80.00	320.00
62	Fixing 100mm size 'P' or 'S' trap (with horn or without horn) for water closet squatting pan including jointing the trap with pan in cement mortar (1:1) as per specification.	Each	3.00	649.60	1948.80
63	Providing and laying in trenches PVC pipes conforming to ASTM-D-1785/89 (Schedule-80) of the following nominal bore and pipe fittings including testing as per specification complete. (Earth work in trenches to be measured and paid for separately)				
	32mm dia ASTM Sch-80 loading line	per mtr	30.00	240.10	7203.00
	25mm dia ASTM Sch-80 Supply line	per mtr	30.00	182.50	5475.00
	25mm 'J' hooks	per mtr	16.00	22.50	360.00
	32mm 'J' hooks	per mtr	12.00	28.55	342.60
64	Cutting hole in R.C.C floors and roofs upto 19 cm thick for passing G.I / P.V.C pipes and fittings etc and repairing the holes after insertion of pipes etc with cement concrete (1:2:4) including finishing complete so as to make it leak proof.	Each	8.00	177.40	1419.20
65	Cutting grooves in pucca floors and walls for taking GI/PVC pipes and making good the damages as per specification complete.	per mtr	20.00	180.20	3604.00
	Fixing Rotational molded polyethylene Cylindrical Vertical water storage tanks conforming to IS : 12701 - 1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providings extra sockets and Jam nuts , fixing ball valve etc, including hoisting up to a height of 5mtr above ground level and placing the tank to the required position etc. all complete as per direction of the Engineer-in-Charge.				
	1000 litre capacity Double Layer Cylindrical Vertical water storage tanks (on the roof of)	Each	1.00	10726.80	10726.80

	Supplying of all materials labour T&P for construction of staaging of 1000ltr PVC tank with KB bricks in cement mortar (1:6) of RCC (1:1,1/2:3) for base slab and beam over brick work in first floor etc. all complete as per specification and direction of Engineer-in-charge				
	For 1000ltr capacity	each	1.00	8729.00	8729.00
67	Supplying all labour T&P for RCC Ring Tank(Soak way pit) 1.20 m dia x 1.5 mtr deep Supplying all materials, labour and T&P for construction of 1.20mtr.dia.x1.50mtr. Deep soak-way pit with RCC ring up to 1.10mtr. height and filled with dry brick khoa of 50mm.to 100mm.size to a height of 2.00mtr.from bottom, covered by means of 40mm.thick R.C.C. perforated slab,50mm.thick R.C.C.well cover in pieces fitted with iron rings including earth work in excavation and refilling of cavity around the pit etc. all complete as per approved design and drawing.	each	1.00	12565.00	12565.00
68	Supplying all materials, labour and T&P for construction of Gully Trap chamber as per P.H. specification and design all complete. [including earth work]				
	Size (250x250x675)mm	each	3.00	1263.30	3789.90
69	Supplying all labour T&P for laying in providing stack line & vent pipes complete with all fitting fixing with all jointing materials complete as per the P.H specification and direction Engg-in-Charge.				
	Supplying of 110mmdia PVC pipe of 4.0kg / sqcm	mtr	30.00	292.30	8769.00
	Supplying of 75 mmdia PVC pipe of 4.0kg / sqcm	mtr	30.00	189.40	5682.00
	cost of 110mm PVC plain Junction with door	Each	6.00	227.00	1362.00
	110mm dia pvc swr door bend 87.5	Each	4.00	178.90	715.60
	110 mm dia P.V.C. SWR plain bend 87.5'	Each	2.00	145.60	291.20
	110mm equal tee	Each	3.00	198.40	595.20
	cost of 110mm PVC offset bend	Each	6.00	361.30	2167.80
	Cost of 110mm PVC Cowl	Each	3.00	51.60	154.80
	110 mm diaP.V.C. SWR.pipe clip	Each	6.00	51.90	311.40
	Solvent cement	kg	2.00	723.40	1446.80
70	Supplying all materials, labour and T&P for construction of inspection chamber as per P.H. specification and design all complete. [including earth work]				
	Inspection chamber size (0.75x0.75x0.45mtr.)	Each	2.00	6151.90	12303.80
				T-	2211280.86
				Or Say-	2211281.00

TOTAL 70 (Seventy) Items only

My/ our quoted rate is.....% Excess over / 2211281.00
(Rate to be quoted both figure & ward)

APPROVED

Signature of Contractor

Bh...
14.12.2021
C.D.M & PHO,
Jajpur

BILL OF QUANTITIES

Name of the Work- Construction of Day care Sub Center-cum-health & Wellness Center at Bandala under Badachana Block.

Tender Call Notice No :- 4227, dt-14/12/2021

Estimated Cost :- Rs. 2210877.00

E.M.D. to be deposited :- 1% of estimated cost.

Class of Contractor :- 'D' & 'C' Class

Time of Completion :- 3 (Three) Calender months

Last date of receipt of tender paper :- 22/12/2021 upto 2 PM

Date of opening of tender paper :- 22/12/2021 at 4.00 PM

Sl. No	Description of items	Unit	Quantity	Rate	Amount
1	Earthwork in all kinds of soil within 50m initial lead and 1.5m initial lift including dressing and levelling the bed with cost of all labour T&P etc complete.	Cum	116.35	164.64	19155.86
2	Filling F&P with sand well watered and rammed with cost of all labour T&P etc complete.	Cum	119.15	418.29	49839.25
3	Cement concrete (1:3:6) with 4cm size hard granite metal including watering curing and cost of all labour T&P etc complete.	Cum	28.22	4468.56	126102.76
4	Brick work with Fly ash bricks havingcrusing strength between 149kg/cm ² in cement motar (1:6) with cost,coveyance,royalty watering&curing etc. complete. In foundation and plinth	Cum	50.64	4183.37	211845.86
5	RCC concrete (M-20) with 20mm & down graded size hard granite chips including cost, conveyance, royalty, taxes, watering and curing etc. complete.				
	Column Base-	Cum	14.59	4905.57	71572.27
	Plinth Beam-	Cum	5.73	5266.82	30178.88
	Column & Beam-	Cum	3.21	12454.97	39980.45
	Lintel-	Cum	3.10	8559.26	26533.71
	Stair case-	Cum	2.00	11045.77	22091.54
	Chajja-	Sqm	13.47	779.60	10501.21
	Roof Slab-	Cum	11.39	9045.70	103030.52
	Shelves	Sqm	20.00	660.83	13216.60
6	Supplying, fitting and placing un coated HYSD bar reinforcement complete as per drawing and technical specification.	Qtl	41.00	8882.73	364191.93
7	Brick work with Fly ash bricks havingcrusing strength between 149kg/cm ² in cement motar (1:6) with cost,coveyance,royalty watering&curing etc. complete. In Superstrudture	Cum	62.12	4216.70	261941.40
8	16mm thick cement plaster (1:6) over brick or stone masonry with cost of all materials and all labour etc. complete.	Sqm	293.72	197.46	57997.95
9	12mm thick cement plaster (1:6) over brick work with cost of all materials and all labour etc. complete.	Sqm	215.33	138.40	29801.67
10	20mm thick CP(1:4) over roof slab for grading plaster with cost of all materials and all labour etc. complete.	Sqm	113.29	218.72	24778.79
11	Dressed seasoned sal wood work framed and fixed (wrought and put up) in trusses, purlines, frames of doors, windows, ventilators and beams including all labour T&P etc complete.	Cum	0.24	48102.16	11544.52
12	Supplying fitting and fixing of MS window grills of approved design including cost of all materials all labour T&P etc complete.	Kg	750.65	80.00	60052.00

13	32mm piasal wood or local Teak wood paneled shutters moulded panels with all labour, iron fittings, and wooden hinged cleats etc fitted and fixed complete in all respect excluding the cost of iron fittings.	Sqm	10.33	3,048.85	31494.62
14	Providing and Fixing granite tiles in floors treads or steps and landing on 25mm thick bed of cement mortar (1:1) jointed with neat cement slurry mixed with pigment to match the shades of the tiles including rubbing and polishing complete including cost of tiles .(Ref. P-90, sl-17 of A/R- 06)	Sqm	9.50	1,760.13	16721.24
15	Supplying fitting and fixing vitrified tile in floors of size 600mm x 600m of approved make conforming to US 13755 laid on 20mm thick CM(1:4) and filling joints with white cement of approved quality including cost of all materials labour T&P etc required for the work all complete.	Sqm	81.37	1,254.22	102055.88
16	Fixing tiles in dados skirting and risers of steps on 12mm thick CP(1:3) jointed with neat cement slurry mixed with pigments to match the shade of the tiles including rubbing and polishing complete including cost of precast tiles.	Sqm	46.45	1,074.05	49889.62
17	Fixing Checkered tiles in floors and steps and landing on 25mm thick bed of cement mortar 1:1 etc complete.	Sqm	9.00	643.45	5791.05
18	Supplying, fitting, and fixing Glazed tile in floors of approved make conforming IS:13755 laid on 20mm thick CM(1:4) and filling joints with white cement of approved quality including cost of all materials labour T&P etc as per direction of Engineer-in charge.	Sqm	25.00	674.63	16865.75
19	Priming one coat with any approved primer including cost conveyance,taxes of all materials to site and all labour charges complete (Data for 9.3 Sqm)AR,P-93,sl-1	Sqm	587.64	58.53	34394.57
20	Wall painting two coats to walls with plastic emulsion paint of approved shade on new work two coat to give an even shade including cost of paint per 1 sqm.(Ref. P-99, item-20 of A/R- 06). Data 10 sqm	Sqm	375.09	86.53	32456.54
21	Finishing walls with weather coat two coats including cost of cement paint & labour charges.	Sqm	215.33	71.47	15389.64
22	Painting two coats with any approved paint over a coat of primer with cost of paint, primer & labour T&P etc complete.	Sqm	77.50	201.94	15650.35
23	Supplying & fixing of PVC Door including all cost of labour, materials etc complete.	Sqm	4.88	2500.00	12200.00
24	Supplying ,fitting & fixing of stainless of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with Balustrade of size 32mmx32mm x2mm @ rate 0.90mtr . c/c and stainless square pipe bracing of size 32mmx32mmx2mm in 3 rows in stair case as per approved design and specification, buffing , polishing etc with cost ,conveyance, taxes of all materials , labour, T&P etc. required for the complete in all respect.	Rmt	6.00	3499.55	20997.30
25	Supplying, fitting and fixing of WI clamps 25 cm to 30 cm long in chokaths of door and window with CC(1:2:4) with all labour T&P etc complete.	Each	94.00	11.20	1052.80
(A) SINKING OF BORE WELL					
26	Supplying all materials, labour, T&P & setting up boring equipments including erection of suitable staging for installation of required size of tube wells, dismantling & removing the same after completion of the work including transportation of boring equipments cleaning & leveling the site excavation of mud pit channels etc. all complete as per direction of Engineer-in-charge.	Each	1.00	10593.00	10593.00

7	supplying all labour, T&P & transporting the boring pipes & top casing grouting pipes, PVC pipes & fittings, PVC well screens, bentonite & gravels etc to work site & return of departmental materials after use including loading & unloading etc. all complete as per direction of Engineer-in-Charge.	Each	1.00	1727.27	1727.27
28	Supplying all labour, T&P & drilling pilot bore not less than 102mm dia without casing pipes in all kinds of soils & rocks for the following depths excluding of supply of necessary boring pipes, including supply of necessary cutting equipments extra socket wherever required & withdrawing the boring pipes washing & keeping the bore clear for logging if required as per the direction of Engineer-in-Charge. (Drilling pilot bore)	Each Mtr	55.00	989.00	54395.00
29	Supplying all labour, T&P & reaming the pilot bore to the following size & depth without casing pipes including withdrawing the casing pipes, washing the bore by means of pipe cylinder etc. complete as per the direction of Engineer-in-Charge. (Reaming from 100mm to 150mm dia).	Each Mtr	30.00	130.00	3900.00
30	Supplying all labour, T&P & jointing materials & lowering the PVC casing pipes fittings & well screens in position including fitting fixing of centralizer, cutter plug & washing the bore as per direction of Engineer-in-Charge.				
	a) Lowering of 125mm dia PVC Pipe :	Each Mtr	30.00	43.00	1290.00
	b) Lowering of 50mm dia PVC Pipe :	Each Mtr	25.00	30.90	772.50
31	Supplying all labour, T&P and grouting with cement slurry for sanitary sealing in the bore around the uppermost 3.00 mtrs. of 125 / 100 mm. dia PVC casing pipes properly etc.all complete including cost, conveyance, royalty of all materials as per the direction of the Engineer-in-charge.	Each	1.00	1942.00	1942.00
32	Supplying all labour, T&P & developing the tube well with 8 hours continuous pumping per day for seven consecutive days or till sand free clear water is obtained as per direction of the Engineer-in-charge.	Each	1.00	1581.00	1581.00
33	Supplying all labour, T&P for fitting & fixing of IMII tube well hand pump with C.I cylinder, 12mm B.S. connecting rod, 32mm/ 40mm dia G.I / PVC pipe of required length with supply of extra sockets of approved make etc. complete as per direction of the Engineer-in-charge.	Each	1.00	1507.00	1507.00
34	Supplying all labour T&P & materials for construction of tube well platform as per UNICEF design, with C.C (1:2:4) including excavation of earth pit of size (0.76x0.76x0.30) for H.P leg, grouting with C.C & keeping the top of the platform minimum 1 foot high from existing road level & its parapet of size 1.85 m dia etc including documentation before & after construction of platform as per direction of the Engineer-in-charge.				
35	(a) Platform :	Each	1.00	5183.00	5183.00
36	(b) Drain :	Each Mtr	3.00	389.00	1167.00

37	Polythil chloride (pvc pipe) asa per ASTM-D-1785-04 having threads in accordance with DIN/BIS specification.Length of pipe (Laying length) will be 5 mtr both end threaded with external thread at one end (Male thread) and internal thread at other end (Female thread) with a groove at the root of the male thread to accomodate flexible PVC/Rubber o ring to make the joint water tight ,colour of the pipe shall be blue etc complete including the cost of threading and belling O ring etc.				
	125 mm ND ASTM-D PVC pipes(Sch,-80)	Each Mtr	30.00	852.30	25569.00
	50 mm ND ASTM-D PVC pipes(Sch,-80)	Each Mtr	19.00	205.74	3909.06
	50 mm ND ASTM-D PVC stainer pipes	Each Mtr	6.00	250.00	1500.00
	125 mmx50 mm dia ND pvc reducer socket.	Each	1.00	275.00	275.00
	50 mm dia CI plug cutter	Each	1.00	150.00	150.00
38	ISI marked deep well hand pump standard (SDWP) confirming to IS No 15500(P1-2)/2004 copmpleted with accessories and along with 8 nos of 32 mm nominal bore hot dip galvanised screwed and socked,fitted with solid bar socket fitted at one end and thread protector at the other end and with 8 nos of 12 mm dia connecting rod made of bright bar electro galvanised fitted with coupler and fitted with stand assembly suitable for use in bore well/casing of 100 mm and 125 mm.N.B min.(Composite set)	Each	1.00	12000.00	12000.00
(B) PUMP SET INSTALLATION					
39	Supplying T&P,material including taxes of ISI marked star labeled single phase vertical stainless steel submersible pump set (KSB / Kirloskar / Crompton / Texmo / CRI etc. make) suitable for 125 mm dia bore with discharge of 1.00 LPS & 55 mtr head along as per direction of the Engineer - in- Charge.	Each	1.00	12500.00	12500.00
40	Supplying all labour for lowering of the above pumpset as per the direction of the Engineer-in-Charge.	Each	1.00	3000.00	3000.00
41	Supplying all T&P,material including taxes of ISI marked control panel suitable for the required pump set as per direction of the Engineer - in Charge. Suitable for 1.00 HP pump set:	Each	1.00	3200.00	3200.00
42	Supplying, fitting & fixing of 2.5 sqmm 3 core copper Flat cable.	Each Mtr	40.00	80.00	3200.00
43	Supplying, fitting & fixing of all electrical material like main switch,wire,cutout, etc for pump set operation etc complete as per direction of engineer in charge	Each	1.00	3000.00	3000.00
44	Supplying, fitting & fixing of 32mm dia HDPE (PN:10) column pipe including cost of nut bolt & rubber insertion with all taxes carriage & labour etc. for lowering of pump set	Each Mtr	25.00	80.00	2000.00
45	Supplying all labour for lowering of the above pumpset as per the direction of the Engineer-in-Charge.				
	32 mm dia full way valve				
	Plastic rope	Each	1.00	1549.00	1549.00
	32 mm dia steel nipple to connect HDPE pipe	Each Mtr	25.00	20.00	500.00
	Steel nut & bolt to connect HDPE pipe	Each	2.00	380.00	760.00
	32mm X 25mm reducer socket	Each	2.00	120.00	240.00
	Bore well cover	Each	1.00	80.00	80.00
	MS clamp	Each	1.00	650.00	650.00
	C) External & Internal PH Work	Each	1.00	300.00	300.00

	Fixing Wash Down Water Closet (European type W.C pan) with integral 'S' or 'P' trap conforming to IS 2556 : Part 8-2004, to the floor with wooden plug and chromium plated screws including jointing the trap with soil pipe in cement mortar (1:1) etc all complete as per specification. (Seat and cover to be measured and paid for separately)	Each	2.00	2331.10	4662.20
47	Fixing plastic seat and cover for wash down water closet with chromium plated brass hinges and rubber buffers all complete as per specification.	Each	2.00	611.60	1223.20
48	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.	Each	3.00	1488.00	4464.00
49	Fixing wash basins with hole for pillar taps conforming to IS 2556 : Part 4-2004 with Cast Iron or M S brackets painted white including cutting holes in walls and making good the damages etc all complete as per specification.	Each	3.00	2282.70	6848.10
50	Fixing pedestal for wash basin complete recessed at the back for the reception of pipes and fittings	Each	3.00	2041.80	6125.40
51	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required. Stainless steel kitchen sink - with drain board 510x1040 mm bowl depth 250 mm	Each	1.00	3338.50	3338.50
52	Fixing bowl pattern urinal conforming to IS 2556 : Part 6-1996 including connecting the urinal of 430x260x350 mm or 340x410x265 mm sizes respectively with waste pipe by means of white lead mixed with chopped hemp etc all complete as per specification.	Each	2.00	1840.50	3681.00
53	Fixing glazed earthenware squatting plate of size 600mmx350mm conforming to IS 2556 : Part 6-1995 with integral longitudinal flushing pipe including embedding the plate in 25mm cement mortar (1:8) laid over 150mm cement concrete (1:4:8) using 40mm hard granite metal etc all complete as per specification.	Each	1.00	2501.20	2501.20
54	Fixing water closet, squatting pan (Indian type W.C pan) conforming to IS 2556 : Part 3-2004 duly embedded in cement concrete (1:4:8) using hard granite metal 4cm nominal size all complete as per specification	Each	1.00	2412.60	2412.60
55	Fixing 15mm dia PVC inlet connection pipe and making connection with pillar cocks and supply mains for wash basin complete as per specification	Each	5.00	93.90	469.50
56	Fixing PVC waste pipe of following nominal diameter for wash basin or sink including brass check nut complete as per specification	Each	4.00	84.30	337.20
57	Fixing Chromium Plated Brass Shower rose with 15mm or 20mm inlet including polishing all complete as per specification.	Each	3.00	354.60	1063.80
58	Fixing 600mm x 450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C sheet or plywood sheet and fixed to wooden plugs with chromium plated brass screws and washers complete as per specification.	Each	5.00	708.80	3544.00
59	Fixing standard sized glass-shelf with Chromium Plated brass brackets and guard rails complete, fixed to woden plugs with Chromium Plated brass screws as per specification.	Each	5.00	599.40	2997.00
60	Fixing standard sized Chromium Plated brass towel ring fixed to wooden plugs with Chromium Plated brass screws, complete as per specification.	Each	3.00	427.20	1281.60

61	Fixing standard sized Chromium Plated brass towel rail complete with Chromium Plated brass brackets fixed to wooden plugs with Chromium Plated brass screws, complete as per specification. AKP 35711P (Jaquar)	Each	3.00	824.80	2474.40
	Fitting fixing of P.H fixtures				
	15mm. Dia CP Brass Angle Stop cocks	Each	7.00	713.80	4996.60
	15mm. Dia CP Brass short body Bib cock	Each	3.00	698.50	2095.50
	15mm. Dia CP Brass long body Bib cock	Each	3.00	755.30	2265.90
	15mm dia Brass Screw-down Bib Cock	Each	2.00	412.30	824.60
	15mm dia C.P concealed stop cock	Each	3.00	856.70	2570.10
	15mm Dia CP Brass pillar cock	Each	3.00	694.30	2082.90
	soap holder	Each	5.00	156.70	783.50
	100mm dia round grating	Each	6.00	71.00	426.00
	32 mm dia waste coupling	Each	6.00	108.40	650.40
	32mm dia Urinal waste coupling	Each	1.00	126.20	126.20
	CP Health Foucet with 1.0 mtr PVC Tube	Each	2.00	637.60	1275.20
	15mm dia CP urinal spreader	Each	2.00	663.80	1327.60
	15 mm CP 2 in 1 Bib cock .	Each	3.00	999.40	2998.20
	25 mm PVC Ball Cock with Rod and Ball	Each	1.00	690.30	690.30
	25 mm PVC Ball Valve (FT)	Each	4.00	246.50	986.00
	32 mm PVC Ball Valve (FT)	Each	2.00	275.10	550.20
	25 mm UPVC-ASTM Tank Nipple	Each	4.00	42.00	168.00
	32 mmUPVC-ASTM Tank Nipple	Each	4.00	86.80	347.20
	25mm dia GI SHORT PIECE	Each	2.00	22.20	44.40
	32mm dia GI SHORT PIECE	Each	2.00	22.20	44.40
	32mm dia PVC .Union	Each	2.00	80.40	160.80
	25mm diaPVC.Union	Each	4.00	80.00	320.00
62	Fixing 100mm size 'P' or 'S' trap (with horn or without horn) for water closet squatting pan including jointing the trap with pan in cement mortar (1:1) as per specification.	Each	3.00	649.60	1948.80
63	Providing and laying in trenches PVC pipes conforming to ASTM-D-1785/89 (Schedule-80) of the following nominal bore and pipe fittings including testing as per specification complete. (Earth work in trenches to be measured and paid for separately)				
	32mm dia ASTM Sch-80 loading line	per mtr	30.00	240.10	7203.00
	25mm dia ASTM Sch-80 Supply line	per mtr	30.00	182.50	5475.00
	25mm 'J' hooks	per mtr	16.00	22.50	360.00
	32mm 'J' hooks	per mtr	12.00	28.55	342.60
64	Cutting hole in R.C.C floors and roofs upto 19 cm thick for passing G.I / P.V.C pipes and fittings etc and repairing the holes after insertion of pipes etc with cement concrete (1:2:4) including finishing complete so as to make it leak proof.	Each	8.00	177.40	1419.20
65	Cutting grooves in pucca floors and walls for taking GI/PVC pipes and making good the damages as per specification complete.	per mtr	20.00	180.20	3604.00
	Fixing Rotational molded polyethylene Cylindrical Vertical water storage tanks conforming to IS : 12701 - 1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providings extra sockets and Jam nuts , fixing ball valve etc, including hoisting up to a height of 5mtr above ground level and placing the tank to the required position etc. all complete as per direction of the Engineer-in-Charge.				

	1000 litre capacity Double Layer Cylindrical Vertical water storage tanks (on the roof of)	Each	1.00	10726.80	10726.80
66	Supplying of all materials labour T&P for construction of staging of 1000ltr PVC tank with KB bricks in cement mortar (1:6) of RCC (1:1,1/2:3) for base slab and beam over brick work in first floor etc. all complete as per specification and direction of Engineer-in-charge				
	For 1000ltr capacity	each	1.00	8729.00	8729.00
67	Supplying all labour T&P for RCC Ring Tank(Soak way pit) 1.20 m dia x 1.5 mtr deep Supplying all materials, labour and T&P for construction of 1.20mtr.dia.x1.50mtr. Deep soak-way pit with RCC ring up to 1.10mtr. height and filled with dry brick khoa of 50mm.to 100mm.size to a height of 2.00mtr.from bottom, covered by means of 40mm.thick R.C.C. perforated slab,50mm.thick R.C.C.well cover in pieces fitted with iron rings including earth work in excavation and refilling of cavity around the pit etc. all complete as per approved design and drawing.	each	1.00	12565.00	12565.00
68	Supplying all materials, labour and T&P for construction of Gully Trap chamber as per P.H. specification and design all complete. [including earth work]				
	Size (250x250x675)mm	each	3.00	1263.30	3789.90
69	Supplying all labour T&P for laying in providing stack line & vent pipes complete with all fitting fixing with all jointing materials complete as per the P.H specification and direction Engg-in-Charge.				
	Supplying of 110mmdia PVC pipe of 4.0kg / sqcm	mtr	30.00	292.30	8769.00
	Supplying of 75 mmdia PVC pipe of 4.0kg / sqcm	mtr	30.00	189.40	5682.00
	cost of 110mm PVC plain Junction with door	Each	6.00	227.00	1362.00
	110mm dia pvc swr door bend 87.5	Each	4.00	178.90	715.60
	110 mm dia P.V.C. SWR plain bend 87.5'	Each	2.00	145.60	291.20
	110mm equal tee	Each	3.00	198.40	595.20
	cost of 110mm PVC offset bend	Each	6.00	361.30	2167.80
	Cost of 110mm PVC Cowl	Each	3.00	51.60	154.80
	110 mm diaP.V.C. SWR.pipe clip	Each	6.00	51.90	311.40
	Solvent cement	kg	2.00	723.40	1446.80
70	Supplying all materials, labour and T&P for construction of inspection chamber as per P.H. specification and design all complete. [including earth work]				
	Inspection chamber size (0.75x0.75x0.45mtr.)	Each	2.00	6151.90	12303.80
				T-	2210876.96
				Or Say-	2210877.00

TOTAL 70 (Seventy) Items only

My/ our quoted rate is.....% Excess over / 2210877.00

(Rate to be quoted both figure & ward)

Signature of Contractor

APPROVED

B. B. B.
14.12.2021
C.D.M & PHO,
Jajpur

BILL OF QUANTITIES

Name of the Work- Construction of Day care Sub Center-cum-health & Wellness Center at Gobarghati under Sukinda Block.

Tender Call Notice No :- 4227, dt. 14/12/2021

Estimated Cost :- Rs. 2212143.00

E.M.D. to be deposited :- 1% of estimated cost.

Class of Contractor :- 'D' & 'C' Class

Time of Completion :- 3 (Three) Calender months

Last date of receipt of tender paper :- 22/12/2021 upto 2PM

Date of opening of tender paper :- 22/12/2021 at 4.00 PM

Sl. No	Description of items	Unit	Quantity	Rate	Amount
1	Earthwork in all kinds of soil within 50m initial lead and 1.5m initial lift including dressing and levelling the bed with cost of all labour T&P etc	Cum	116.35	164.64	19155.86
2	Filling F&P with sand well watered and rammed with cost of all labour T&P etc complete.	Cum	119.15	418.29	49839.25
3	Cement concrete (1:3:6) with 4cm size hard granite metal including watering curing and cost of all labour T&P etc complete.	Cum	26.81	4436.53	118943.37
4	Brick work with Fly ash bricks having crushing strength between 149kg/cm ² in cement mortar (1:6) with cost, conveyance, royalty watering & curing etc. complete. In foundation and plinth	Cum	48.09	4185.00	201256.65
5	RCC concrete (M-20) with 20mm & down graded size hard granite chips including cost, conveyance, royalty, taxes, watering and curing etc. complete.				
	Column Base-	Cum	14.59	4906.43	71584.81
	Plinth Beam-	Cum	5.73	5267.68	30183.81
	Column & Beam-	Cum	3.21	12455.83	39983.21
	Lintel-	Cum	3.10	8560.12	26536.37
	Stair case-	Cum	2.00	11046.63	22093.26
	Chajja-	Sqm	13.47	779.66	10502.02
	Roof Slab-	Cum	11.39	9046.55	103040.20
	Shelves	Sqm	20.00	660.87	13217.40
6	Supplying, fitting and placing un coated HYSD bar reinforcement complete as per drawing and technical specification.	Qtl	41.00	8885.17	364291.97
7	Brick work with Fly ash bricks having crushing strength between 149kg/cm ² in cement mortar (1:6) with cost, conveyance, royalty watering & curing etc. complete. In Superstructure	Cum	62.12	4218.33	262042.66
8	16mm thick cement plaster (1:6) over brick or stone masonry with cost of all materials and all labour etc. complete.	Sqm	293.72	198.46	58291.67
9	12mm thick cement plaster (1:6) over brick work with cost of all materials and all labour etc. complete.	Sqm	215.33	139.23	29980.40
10	20mm thick CP(1:4) over roof slab for grading plaster with cost of all materials and all labour etc. complete.	Sqm	113.29	220.45	24974.78
11	Dressed seasoned sal wood work framed and fixed (wrought and put up) in trusses, purlines, frames of doors, windows, ventilators and beams including all labour T&P etc complete.	Cum	0.24	48102.16	11544.52
12	Supplying fitting and fixing of MS window grills of approved design including cost of all materials all labour T&P etc complete.	Kg	750.65	80.00	60052.00

13	32mm piasal wood or local Teak wood paneled shutters moulded panels with all labour, iron fittings, and wooden hinged cleats etc fitted and fixed complete in all respect excluding the cost of iron fittings.	Sqm	10.33	3,048.85	31494.62
14	Providing and Fixing granite tiles in floors treads or steps and landing on 25mm thick bed of cement mortar (1:1) jointed with neat cement slury mixed with pigment to match the shades of the tiles including rubbing and polishing complete including cost of tiles .(Ref. P-90, sl-17 of A/R- 06)	Sqm	10.00	1,763.33	17633.30
15	Supplying fitting and fixing vitrified tile in floors of size 600mm x 600m of approved make confirming to US 13755 laid on 20mm thick CM(1:4) and filling joints with white cement of approved quality including cost of all materials labour T&P etc required for the work all complete.	Sqm	78.59	1,254.51	98591.94
16	Fixing tiles in dados skirting and risers of steps on 12mm thick CP(1:3) jointed with neat cement slurry mixed with pigments to match the shade of the tiles including rubbing and polishing complete including cost of precast tiles.	Sqm	46.45	1,074.37	49904.49
17	Fixing Checkered tiles in floors and steps and landing on 25mm thick bed of cement mortar 1:1 etc complete.	Sqm	20.00	643.45	12869.00
18	Supplying, fitting, and fixing Glazed tile in floors of approved make conforming IS:13755 laid on 20mm thick CM(1:4) and filling joints with white cement of approved quality including cost of all materials labour T&P etc as per direction of Engineer-in charge.	Sqm	30.00	586.91	17607.30
19	Priming one coat with any approved primer including cost conveyance,taxes of all materials to site and all labour charges complete (Data for 9.3 Sqm)AR,P-93,sl-1	Sqm	587.64	58.53	34394.57
20	Wall painting two coats to walls with plastic emulsion paint of approved shade on new work two coat to give an even shade including cost of paint per 1 sqm.(Ref. P-99, item-20 of A/R- 06). Data 10 sqm	Sqm	372.31	86.53	32215.98
21	Finishing walls with weather coat two coats including cost of cement paint & labour charges.	Sqm	215.33	71.47	15389.64
22	Painting two coats with any approved paint over a coat of primer with cost of paint, primer & labour T&P etc complete.	Sqm	77.50	201.94	15650.35
23	Supplying & fixing of PVC Door including all cost of labour, materials etc complete.	Sqm	4.88	2800.00	13664.00
24	Supplying ,fitting & fixing of stainless of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with Balustrade of size 32mmx32mm x2mm @ rate 0.90mtr . c/c and stainless square pipe bracing of size 32mmx32mmx2mm in 3 rows in stair case as per approved design and specification, buffing , polishing etc with cost ,conveyance, taxes of all materials , labour, T&P etc. required for the complete in all respect.	Rmt	6.00	3499.55	20997.30
25	Supplying, fitting and fixing of WI clamps 25 cm to 30 cm long in choukaths of door and window with CC(1:2:4) with all labour T&P etc complete.	Each	94.00	11.20	1052.80
(A) SINKING OF BORE WELL					
26	Supplying all materials, labour, T&P & setting up boring equipments including erection of suitable staging for installation of required size of tube wells, dismantling & removing the same after completion of the work including transportation of boring equipments cleaning & leveling the site excavation of mud pit channels etc. all complete as per direction of Engineer-in-charge.	Each	1.00	10593.00	10593.00

	Supplying all labour, T&P & transporting the boring pipes & top casing grouting pipes, PVC pipes & fittings, PVC well screens, bentonite & gravels etc to work site & return of departmental materials after use including loading & unloading etc. all complete as per direction of Engineer-in-Charge.	Each	1.00	1727.27	1727.27
28	Supplying all labour, T&P & drilling pilot bore not less than 102mm dia without casing pipes in all kinds of soils & rocks for the following depths excluding of supply of necessary boring pipes, including supply of necessary cutting equipments extra socket wherever required & withdrawing the boring pipes washing & keeping the bore clear for logging if required as per the direction of Engineer-in-Charge. (Drilling pilot bore)	Each Mtr	60.00	989.00	59340.00
29	Supplying all labour, T&P & reaming the pilot bore to the following size & depth without casing pipes including withdrawing the casing pipes, washing the bore by means of pipe cylinder etc. complete as per the direction of Engineer-in-Charge. (Reaming from 100mm to 150mm dia).	Each Mtr	30.00	130.00	3900.00
30	Supplying all labour, T&P & jointing materials & lowering the PVC casing pipes fittings & well screens in position including fitting fixing of centralizer, cutter plug & washing the bore as per direction of Engineer-in-Charge.				
	a) Lowering of 125mm dia PVC Pipe :	Each Mtr	30.00	43.00	1290.00
	b) Lowering of 50mm dia PVC Pipe :	Each Mtr	30.00	30.90	927.00
31	Supplying all labour, T&P and grouting with cement slurry for sanitary sealing in the bore around the uppermost 3.00 mtrs. of 125 / 100 mm. dia PVC casing pipes properly etc.all complete including cost, conveyance, royalty of all materials as per the direction of the Engineer-in-charge.	Each	1.00	1942.00	1942.00
32	Supplying all labour, T&P & developing the tube well with 8 hours continuous pumping per day for seven consecutive days or till sand free clear water is obtained as per direction of the Engineer-in-charge.	Each	1.00	1581.00	1581.00
33	Supplying all labour, T&P for fitting & fixing of IMII tube well hand pump with C.I cylinder, 12mm B.S. connecting rod, 32mm/ 40mm dia G.I / PVC pipe of required length with supply of extra sockets of approved make etc. complete as per direction of the Engineer-in-charge.	Each	1.00	1507.00	1507.00
34	Supplying all labour T&P & materials for construction of tube well platform as per UNICEF design, with C.C (1:2:4) including excavation of earth pit of size (0.76x0.76x0.30) for H.P leg, grouting with C.C & keeping the top of the platform minimum 1 foot high from existing road level & its parapet of size 1.85 m dia etc including documentation before & after construction of platform as per direction of the Engineer-in-charge.				
35	(a) Platform :	Each	1.00	5183.00	5183.00
36	(b) Drain :	Each Mtr	3.00	389.00	1167.00

37	Polythil chloride (pvc pipe) asa per ASTM-D-1785-04 having threads in accordance with DIN/BIS specification.Length of pipe (Laying length) will be 5 mtr both end threaded with external thread at one end (Male thread) and internal thread at other end (Female thread) with a groove at the root of the male thread to accomodate flexible PVC/Rubber o ring to make the joint water tight ,colour of the pipe shall be blue etc complete including the cost of threading and belling O ring etc.				
	125 mm ND ASTM-D PVC pipes(Sch,-80)	Each Mtr	30.00	852.30	25569.00
	50 mm ND ASTM-D PVC pipes(Sch,-80)	Each Mtr	24.00	205.74	4937.76
	50 mm ND ASTM-D PVC stainer pipes	Each Mtr	6.00	250.00	1500.00
	125 mmmx50 mm dia ND pvc reducer socket.	Each	1.00	275.00	275.00
	50 mm dia CI plug cutter	Each	1.00	150.00	150.00
38	ISI marked deep well hand pump standard (SDWP) confirming to IS No 15500(P1-2)/2004 copmpleted with accessories and along with 8 nos of 32 mm nominal bore hot dip galvanised screwed and socked,fitted with solid bar socket fitted at one end and thread protector at the other end and with 8 nos of 12 mm dia connecting rod made of bright bar electro galvanised fitted with coupler and fitted with stand assembly suitable for use in bore well/casing of 100 mm and 125 mm.N.B min.(Composite set)	Each	1.00	12000.00	12000.00
	(B) PUMP SET INSTALLATION				
39	Supplying T&P,material including taxes of ISI marked star labeled single phase vertical stainless steel submersible pump set (KSB / Kirloskar / Crompton / Texmo / CRI etc. make) suitable for 125 mm dia bore with discharge of 1.00 LPS & 55 mtr head along as per direction of the Engineer-in- Charge.	Each	1.00	12500.00	12500.00
40	Supplying all labour for lowering of the above pumpset as per the direction of the Engineer-in-Charge.	Each	1.00	3000.00	3000.00
41	Supplying all T&P,material including taxes of ISI marked control panel suitable for the required pump set as per direction of the Engineer - in Charge. Suitable for 1.00 HP pump set:	Each	1.00	3200.00	3200.00
42	Supplying, fitting & fixing of 2.5 sqmm 3 core copper Flat cable.	Each Mtr	40.00	80.00	3200.00
43	Supplying, fitting & fixing of all electrical material like main switch,wire,cutout, etc for pump set operation etc complete as per direction of engineer in charge	Each	1.00	3000.00	3000.00
44	Supplying, fitting & fixing of 32mm dia HDPE (PN:10) column pipe including cost of nut bolt & rubber insertion with all taxes carriage & labour etc. for lowering of pump set	Each Mtr	25.00	80.00	2000.00
45	Supplying all labour for lowering of the above pumpset as per the direction of the Engineer-in-Charge.				
	32 mm dia full way valve	Each	1.00	1549.00	1549.00
	Plastic rope	Each Mtr	25.00	20.00	500.00
	32 mm dia steel nipple to connect HDPE pipe	Each	2.00	380.00	760.00
	Steel nut & bolt to connect HDPE pipe	Each	2.00	120.00	240.00
	32mm X 25mm reducer socket	Each	1.00	80.00	80.00
	Bore well cover	Each	1.00	650.00	650.00

	MS lamp	Each	1.00	300.00	300.00
	C) External & Internal PH Work				
46	Fixing Wash Down Water Closet (European type W.C pan) with integral 'S' or 'P' trap conforming to IS 2556 : Part 8-2004, to the floor with wooden plug and chromium plated screws including jointing the trap with soil pipe in cement mortar (1:1) etc all complete as per specification. (Seat and cover to be measured and paid for separately)	Each	2.00	2331.10	4662.20
47	Fixing plastic seat and cover for wash down water closet with chromium plated brass hinges and rubber buffers all complete as per specification.	Each	2.00	611.60	1223.20
48	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.	Each	3.00	1488.00	4464.00
49	Fixing wash basins with hole for pillar taps conforming to IS 2556 : Part 4-2004 with Cast Iron or M S brackets painted white including cutting holes in walls and making good the damages etc all complete as per specification.	Each	3.00	2282.70	6848.10
50	Fixing pedestal for wash basin complete recessed at the back for the reception of pipes and fittings	Each	3.00	2041.80	6125.40
51	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required Stainless steel kitchen sink - with drain board 510x1040 mm bowl depth 250 mm	Each	1.00	3338.50	3338.50
52	Fixing bowl pattern urinal conforming to IS 2556 : Part 6-1996 including connecting the urinal of 430x260x350 mm or 340x410x265 mm sizes respectively with waste pipe by means of white lead mixed with chopped hemp etc all complete as per specification.	Each	2.00	1840.50	3681.00
53	Fixing glazed earthenware squatting plate of size 600mmx350mm conforming to IS 2556 : Part 6-1995 with intigral longitudinal flushing pipe including embedding the plate in 25mm cement mortar (1:8) laid over 150mm cement concrete (1:4:8) using 40mm hard grabnite metal etc all complete as per specification.	Each	1.00	2501.20	2501.20
54	Fixing water closet, squatting pan (Indian type W.C pan) conforming to IS 2556 : Part 3-2004 duly embedded in cement concrete (1:4:8) using hard granite metal 4cm nominal size all complete as per specification	Each	1.00	2412.60	2412.60
55	Fixing 15mm dia PVC inlet connection pipe and making connection with pillar cocks and supply mains for wash basin complete as per specification	Each	5.00	93.90	469.50
56	Fixing PVC waste pipe of following nominal diameter for wash basin or sink including brass check nut complete as per specification	Each	4.00	84.30	337.20
57	Fixing Chromium Plated Brass Shower rose with 15mm or 20mm inlet including polishing all complete as per specification.	Each	3.00	354.60	1063.80
58	Fixing 600mm x 450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C sheet or plywood sheet and fixed to wooden plugs with chromium plated brass screws and washers complete as per specification.	Each	5.00	708.80	3544.00
59	Fixing standard sized glass-shelf with Chromium Plated brass brackets and guard rails complete, fixed to woden plugs with Chromium Plated brass screws as per specification.	Each	5.00	599.40	2997.00
60	Fixing standard sized Chromium Plated brass towel ring fixed to wooden plugs with Chromium Plated brass screws, complete as per specification.	Each	3.00	427.20	1281.60

61	Fixing standard sized Chromium Plated brass towel rail complete with Chromium Plated brass brackets fixed to wooden plugs with Chromium Plated brass screws, complete as per specification. AKP 35711P (Jaquar)	Each	3.00	824.80	2474.40
	Fitting fixing of P.H fixtures				
	15mm. Dia CP Brass Angle Stop cocks	Each	7.00	713.80	4996.60
	15mm. Dia CP Brass short body Bib cock	Each	3.00	698.50	2095.50
	15mm. Dia CP Brass long body Bib cock	Each	3.00	755.30	2265.90
	15mm dia Brass Screw-down Bib Cock	Each	2.00	412.30	824.60
	15mm dia C.P concealed stop cock	Each	3.00	856.70	2570.10
	15mm Dia CP Brass pillar cock	Each	3.00	694.30	2082.90
	soap holder	Each	5.00	156.70	783.50
	100mm dia round grating	Each	6.00	71.00	426.00
	32 mm dia waste coupling	Each	6.00	108.40	650.40
	32mm dia Urinal waste coupling	Each	1.00	126.20	126.20
	CP Health Foucet with 1.0 mtr PVC Tube	Each	2.00	637.60	1275.20
	15mm dia CP urinal spreader	Each	2.00	663.80	1327.60
	15 mm CP 2 in 1 Bib cock .	Each	3.00	999.40	2998.20
	25 mm PVC Ball Cock with Rod and Ball	Each	1.00	690.30	690.30
	25 mm PVC Ball Valve (FT)	Each	4.00	246.50	986.00
	32 mm PVC Ball Valve (FT)	Each	2.00	275.10	550.20
	25 mm UPVC-ASTM Tank Nipple	Each	4.00	42.00	168.00
	32 mmUPVC-ASTM Tank Nipple	Each	4.00	86.80	347.20
	25mm dia GI SHORT PIECE	Each	2.00	22.20	44.40
	32mm dia GI SHORT PIECE	Each	2.00	22.20	44.40
	32mm dia PVC .Union	Each	2.00	80.40	160.80
	25mm diaPVC.Union	Each	4.00	80.00	320.00
62	Fixing 100mm size 'P' or 'S' trap (with horn or without horn) for water closet squatting pan including jointing the trap with pan in cement mortar (1:1) as per specification.	Each	3.00	649.60	1948.80
63	Providing and laying in trenches PVC pipes conforming to ASTM-D-1785/89 (Schedule-80) of the following nominal bore and pipe fittings including testing as per specification complete. (Earth work in trenches to be measured and paid for separately)				
	32mm dia ASTM Sch-80 loading line	per mtr	30.00	240.10	7203.00
	25mm dia ASTM Sch-80 Supply line	per mtr	60.00	182.50	10950.00
	25mm 'J' hooks	per mtr	16.00	22.50	360.00
	32mm 'J' hooks	per mtr	12.00	28.55	342.60
64	Cutting hole in R.C.C floors and roofs upto 19 cm thick for passing G.I / P.V.C pipes and fittings etc and repairing the holes after insertion of pipes etc with cement concrete (1:2:4) including finishing complete so as to make it leak proof.	Each	8.00	177.40	1419.20
65	Cutting grooves in pucca floors and walls for taking GI/PVC pipes and making good the damages as per specification complete.	per mtr	20.00	180.20	3604.00
	Fixing Rotational molded polyethylene Cylindrical Vertical water storage tanks conforming to IS : 12701 - 1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providings extra sockets and Jam nuts , fixing ball valve etc, including hoisting up to a height of 5mtr above ground level and placing the tank to the required position etc. all complete as per direction of the Engineer-in-Charge.				
	1000 litre capacity Double Layer Cylindrical Vertical water storage tanks (on the roof of)	Each	1.00	10726.80	10726.80

	Supplying of all materials labour T&P for construction of staaging of 1000ltr PVC tank with KB bricks in cement mortar (1:6) of RCC (1:1,1/2:3) for base slab and beam over brick work in first floor etc. all complete as per specification and direction of Engineer-in-charge				
	For 1000ltr capacity	each	1.00	8729.00	8729.00
67	Supplying all labour T&P for RCC Ring Tank(Soak way pit) 1.20 m dia x 1.5 mtr deep Supplying all materials, labour and T&P for construction of 1.20mtr.dia.x1.50mtr. Deep soak-way pit with RCC ring up to 1.10mtr. height and filled with dry brick khoa of 50mm.to 100mm.size to a height of 2.00mtr.from bottom, covered by means of 40mm.thick R.C.C. perforated slab,50mm.thick R.C.C.well cover in pieces fitted with iron rings including earth work in excavation and refilling of cavity around the pit etc. all complete as per approved design and drawing.	each	1.00	12565.00	12565.00
68	Supplying all materials, labour and T&P for construction of Gully Trap chamber as per P.H. specification and design all complete. [including earth work]				
	Size (250x250x675)mm	each	3.00	1263.30	3789.90
69	Supplying all labour T&P for laying in providing stack line & vent pipes complete with all fitting fixing with all jointing materials complete as per the P.H specification and direction Engg-in-Charge.				
	Supplying of 110mmdia PVC pipe of 4.0kg / sqcm	mtr	30.00	292.30	8769.00
	Supplying of 75 mmdia PVC pipe of 4.0kg / sqcm	mtr	30.00	189.40	5682.00
	cost of 110mm PVC plain Junction with door	Each	6.00	227.00	1362.00
	110mm dia pvc swr door bend 87.5	Each	4.00	178.90	715.60
	110 mm dia P.V.C. SWR plain bend 87.5'	Each	2.00	145.60	291.20
	110mm equal tee	Each	3.00	198.40	595.20
	cost of 110mm PVC offset bend	Each	6.00	361.30	2167.80
	Cost of 110mm PVC Cowl	Each	3.00	51.60	154.80
	110 mm dia P.V.C. SWR pipe clip	Each	6.00	51.90	311.40
	Solvent cement	kg	2.00	723.40	1446.80
70	Supplying all materials, labour and T&P for construction of inspection chamber as per P.H. specification and design all complete. [including earth work]				
	Inspection chamber size (0.75x0.75x0.45mtr.)	Each	2.00	6151.90	12303.80
				T-	2212143.14
				Or Say-	2212143.00

TOTAL 70 (Seventy) Items only

My/ our quoted rate is.....% Excess over / 2212143.00

(Rate to be quoted both figure & ward)

APPROVED

Signature of Contractor

B. B. B.
14.12.2021
C.D.M & PHO,
Jajpur

BILL OF QUANTITIES

Name of the Work- Construction of Day care Sub Center-cum-health & Wellness Center at Singadia under Sukinda Block.

Tender Call Notice No :- 4227 dt. 14/12/2021
 Estimated Cost :- Rs. 2210844.00
 E.M.D. to be deposited :- 1% of estimated cost.
 Class of Contractor :- 'D' & 'C' Class
 Time of Completion :- 3 (Three) Calender months
 Last date of receipt of tender paper :- 22/12/2021 upto 2pm
 Date of opening of tender paper :- 22/12/2021 at 4:00pm

Sl. No	Description of items	Unit	Quantity	Rate	Amount
1	Earthwork in all kinds of soil within 50m initial lead and 1.5m initial lift including dressing and levelling the bed with cost of all labour T&P etc	Cum	116.35	164.64	19155.86
2	Filling F&P with sand well watered and rammed with cost of all labour T&P etc complete.	Cum	119.15	462.73	55134.28
3	Cement concrete (1:3:6) with 4cm size hard granite metal including watering curing and cost of all labour T&P etc complete.	Cum	26.81	4528.75	121415.79
4	Brick work with Fly ash bricks havingcrusing strength between 149kg/cm ² in cement motar (1:6) with cost,coveyance,royalty watering&curing etc. complete. In foundation and plinth	Cum	48.09	4180.69	201049.38
5	RCC concrete (M-20) with 20mm & down graded size hard granite chips including cost, conveyance, royalty, taxes, watering and curing etc. complete.				
	Column Base-	Cum	14.59	4960.34	72371.36
	Plinth Beam-	Cum	5.73	5321.58	30492.65
	Column & Beam-	Cum	3.21	12509.73	40156.23
	Lintel-	Cum	3.10	8614.02	26703.46
	Stair case-	Cum	2.00	11100.53	22201.06
	Chajja-	Sqm	13.47	783.16	10549.17
	Roof Slab-	Cum	11.39	9099.92	103648.09
	Shelves	Sqm	20.00	663.02	13260.40
6	Supplying, fitting and placing un coated HYSD bar reinforcement complete as per drawing and technical specification.	Qtl	41.00	8882.55	364184.55
7	Brick work with Fly ash bricks havingcrusing strength between 149kg/cm ² in cement motar (1:6) with cost,coveyance,royalty watering&curing etc. complete. In Superstrudture	Cum	62.12	4214.02	261774.92
8	16mm thick cement plaster (1:6) over brick or stone masonry with cost of all materials and all labour etc. complete.	Sqm	293.72	198.19	58212.37
9	12mm thick cement plaster (1:6) over brick work with cost of all materials and all labour etc. complete.	Sqm	215.33	139.00	29930.87
10	20mm thick CP(1:4) over roof slab for grading plaster with cost of all materials and all labour etc. complete.	Sqm	113.29	219.53	24870.55
11	Dressed seasoned sal wood work framed and fixed (wrought and put up) in trusses, purlines, frames of doors, windows, ventilators and beams including all labour T&P etc complete.	Cum	0.24	48102.16	11544.52
12	Supplying fitting and fixing of MS window grills of approved design including cost of all materials all labour T&P etc complete.	Kg	750.65	80.00	60052.00

13	32mm piasal wood or local Teak wood paneled shutters moulded panels with all labour, iron fittings, and wooden hinged cleats etc fitted and fixed complete in all respect excluding the cost of iron fittings.	Sqm	10.33	3,048.85	31494.62
14	Providing and Fixing granite tiles in floors treads or steps and landing on 25mm thick bed of cement mortar (1:1) jointed with neat cement slurry mixed with pigment to match the shades of the tiles including rubbing and polishing complete including cost of tiles .(Ref. P-90, sl-17 of A/R- 06)	Sqm	10.00	1,760.56	17605.60
15	Supplying fitting and fixing vitrified tile in floors of size 600mm x 600m of approved make confirming to US 13755 laid on 20mm thick CM(1:4) and filling joints with white cement of approved quality including cost of all materials labour T&P etc required for the work all complete.	Sqm	78.59	1,254.29	98574.65
16	Fixing tiles in dados skirting and risers of steps on 12mm thick CP(1:3) jointed with neat cement slurry mixed with pigments to match the shade of the tiles including rubbing and polishing complete including cost of precast tiles.	Sqm	46.45	1,074.10	49891.95
17	Fixing Checkered tiles in floors and steps and landing on 25mm thick bed of cement mortar 1:1 etc complete.	Sqm	20.00	643.45	12869.00
18	Supplying, fitting, and fixing Glazed tile in floors of approved make conforming IS:13755 laid on 20mm thick CM(1:4) and filling joints with white cement of approved quality including cost of all materials labour T&P etc as per direction of Engineer-in charge.	Sqm	30.00	674.65	20239.50
19	Priming one coat with any approved primer including cost conveyance,taxes of all materials to site and all labour charges complete (Data for 9.3 Sqm)AR,P-93,sl-1	Sqm	587.64	58.53	34394.57
20	Wall painting two coats to walls with plastic emulsion paint of approved shade on new work two coat to give an even shade including cost of paint per 1 sqm.(Ref. P-99, item-20 of A/R- 06). Data 10 sqm	Sqm	372.31	86.53	32215.98
21	Finishing walls with weather coat two coats including cost of cement paint & labour charges.	Sqm	215.33	71.47	15389.64
22	Painting two coats with any approved paint over a coat of primer with cost of paint, primer & labour T&P etc complete.	Sqm	77.50	201.94	15650.35
23	Supplying & fixing of PVC Door including all cost of labour, materials etc complete.	Sqm	4.88	2500.00	12200.00
24	Supplying ,fitting & fixing of stainless of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with Balustrade of size 32mmx32mm x2mm @ rate 0.90mtr . c/c and stainless square pipe bracing of size 32mmx32mmx2mm in 3 rows in stair case as per approved design and specification, buffing , polishing etc with cost ,conveyance, taxes of all materials , labour, T&P etc. required for the complete in all respect.	Rmt	6.00	3499.55	20997.30
25	Supplying, fitting and fixing of WI clamps 25 cm to 30 cm long in chookaths of door and window with CC(1:2:4) with all labour T&P etc complete.	Each	94.00	11.20	1052.80
(A) SINKING OF BORE WELL					
26	Supplying all materials, labour, T&P & setting up boring equipments including erection of suitable staging for installation of required size of tube wells, dismantling & removing the same after completion of the work including transportation of boring equipments cleaning & leveling the site excavation of mud pit channels etc. all complete as per direction of Engineer-in-charge.	Each	1.00	10593.00	10593.00

27	Supplying all labour, T&P & transporting the boring pipes & top casing grouting pipes, PVC pipes & fittings, PVC well screens, bentonite & gravels etc to work site & return of departmental materials after use including loading & unloading etc. all complete as per direction of Engineer-in-Charge.	Each	1.00	1727.27	1727.27
28	Supplying all labour, T&P & drilling pilot bore not less than 102mm dia without casing pipes in all kinds of soils & rocks for the following depths excluding of supply of necessary boring pipes, including supply of necessary cutting equipments extra socket wherever required & withdrawing the boring pipes washing & keeping the bore clear for logging if required as per the direction of Engineer-in-Charge. (Drilling pilot bore)	Each Mtr	55.00	989.00	54395.00
29	Supplying all labour, T&P & reaming the pilot bore to the following size & depth without casing pipes including withdrawing the casing pipes, washing the bore by means of pipe cylinder etc. complete as per the direction of Engineer-in-Charge. (Reaming from 100mm to 150mm dia).	Each Mtr	30.00	130.00	3900.00
30	Supplying all labour, T&P & jointing materials & lowering the PVC casing pipes fittings & well screens in position including fitting fixing of centralizer, cutter plug & washing the bore as per direction of Engineer-in-Charge.				
	a) Lowering of 125mm dia PVC Pipe :	Each Mtr	30.00	43.00	1290.00
	b) Lowering of 50mm dia PVC Pipe :	Each Mtr	25.00	30.90	772.50
31	Supplying all labour, T&P and grouting with cement slurry for sanitary sealing in the bore around the uppermost 3.00 mtrs. of 125 / 100 mm. dia PVC casing pipes properly etc.all complete including cost, conveyance, royalty of all materials as per the direction of the Engineer-in-charge.	Each	1.00	1942.00	1942.00
32	Supplying all labour, T&P & developing the tube well with 8 hours continuous pumping per day for seven consecutive days or till sand free clear water is obtained as per direction of the Engineer-in-charge.	Each	1.00	1581.00	1581.00
33	Supplying all labour, T&P for fitting & fixing of IMII tube well hand pump with C.I cylinder, 12mm B.S. connecting rod, 32mm/ 40mm dia G.I / PVC pipe of required length with supply of extra sockets of approved make etc. complete as per direction of the Engineer-in-charge.	Each	1.00	1507.00	1507.00
34	Supplying all labour T&P & materials for construction of tube well platform as per UNICEF design, with C.C (1:2:4) including excavation of earth pit of size (0.76x0.76x0.30) for H.P leg, grouting with C.C & keeping the top of the platform minimum 1 foot high from existing road level & its parapet of size 1.85 m dia etc including documentation before & after construction of platform as per direction of the Engineer-in-charge.				
35	(a) Platform :	Each	1.00	5183.00	5183.00
36	(b) Drain :	Each Mtr	3.00	389.00	1167.00

37	Polythil chloride (pvc pipe) asa per ASTM-D-1785-04 having threads in accordance with DIN/BIS specification.Length of pipe (Laying length) will be 5 mtr both end threaded with external thread at one end (Male thread) and internal thread at other end (Female thread) with a groove at the root of the male thread to accomodate flexible PVC/Rubber o ring to make the joint water tight ,colour of the pipe shall be blue etc complete including the cost of threading and belling O ring etc.				
	125 mm ND ASTM-D PVC pipes(Sch,-80)	Each Mtr	30.00	852.30	25569.00
	50 mm ND ASTM-D PVC pipes(Sch,-80)	Each Mtr	19.00	205.74	3909.06
	50 mm ND ASTM-D PVC stainer pipes	Each Mtr	6.00	250.00	1500.00
	125 mmx50 mm dia ND pvc reducer socket.	Each	1.00	275.00	275.00
	50 mm dia.Cl plug cutter	Each	1.00	150.00	150.00
38	ISI marked deep well hand pump standard (SDWP) confirming to IS No 15500(P1-2)/2004 copmpleted with accessories and along with 8 nos of 32 mm nominal bore hot dip galvanised screwed and socked,fitted with solid bar socket fitted at one end and thread protector at the other end and with 8 nos of 12 mm dia connecting rod made of bright bar electro galvanised fitted with coupler and fitted with stand assembly suitable for use in bore well/casing of 100 mm and 125 mm.N.B min.(Composite set)	Each	1.00	12000.00	12000.00
	(B) PUMP SET INSTALLATION				
39	Supplying T&P,material including taxes of ISI marked star labeled single phase vertical stainless steel submersible pump set (KSB / Kirloskar / Crompton / Texmo / CRI etc. make) suitable for 125 mm dia bore with discharge of 1.00 LPS & 55 mtr head along as per direction of the Engineer - in- Charge.	Each	1.00	12500.00	12500.00
40	Supplying all labour for lowering of the above pumpset as per the direction of the Engineer-in-Charge.	Each	1.00	3000.00	3000.00
41	Supplying all T&P,material including taxes of ISI marked control panel suitable for the required pump set as per direction of the Engineer - in Charge. Suitable for 1.00 HP pump set:	Each	1.00	3200.00	3200.00
42	Supplying, fitting & fixing of 2.5 sqmm 3 core copper Flat cable.	Each Mtr	40.00	80.00	3200.00
43	Supplying, fitting & fixing of all electrical material like main switch,wire,cutout, etc for pump set operation etc complete as per direction of engineer in charge	Each	1.00	3000.00	3000.00
44	Supplying, fitting & fixing of 32mm dia HDPE (PN:10) column pipe including cost of nut bolt & rubber insertion with all taxes carriage & labour etc. for lowering of pump set	Each Mtr	25.00	80.00	2000.00
45	Supplying all labour for lowering of the above pumpset as per the direction of the Engineer-in-Charge.				
	32 mm dia full way valve	Each	1.00	1549.00	1549.00
	Plastic rope	Each Mtr	25.00	20.00	500.00
	32 mm dia steel nipple to connect HDPE pipe	Each	2.00	380.00	760.00
	Steel nut & bolt to connect HDPE pipe	Each	2.00	120.00	240.00
	32mm X 25mm reducer socket	Each	1.00	80.00	80.00
	Bore well cover	Each	1.00	650.00	650.00

	MS clamp	Each	1.00	300.00	300.00
	C) External & Internal PH Work				
46	Fixing Wash Down Water Closet (European type W.C pan) with integral 'S' or 'P' trap conforming to IS 2556 : Part 8-2004, to the floor with wooden plug and chromium plated screws including jointing the trap with soil pipe in cement mortar (1:1) etc all complete as per specification. (Seat and cover to be measured and paid for separately)	Each	2.00	2331.10	4662.20
47	Fixing plastic seat and cover for wash down water closet with chromium plated brass hinges and rubber buffers all complete as per specification.	Each	2.00	611.60	1223.20
48	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.	Each	3.00	1488.00	4464.00
49	Fixing wash basins with hole for pillar taps conforming to IS 2556 : Part 4-2004 with Cast Iron or M S brackets painted white including cutting holes in walls and making good the damages etc all complete as per specification.	Each	3.00	2282.70	6848.10
50	Fixing pedestal for wash basin complete recessed at the back for the reception of pipes and fittings	Each	3.00	2041.80	6125.40
51	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever requiredStainless steel kitchen sink - with drain board 510x1040 mm bowl depth 250 mm	Each	1.00	3338.50	3338.50
52	Fixing bowl pattern urinal conforming to IS 2556 : Part 6-1996 including connecting the urinal of 430x260x350 mm or 340x410x265 mm sizes respectively with waste pipe by means of white lead mixed with chopped hemp etc all complete as per specification.	Each	2.00	1840.50	3681.00
53	Fixing glazed earthenware squatting plate of size 600mmx350mm conforming to IS 2556 : Part 6-1995 with intigral longitudinal flushing pipe including embedding the plate in 25mm cement mortar (1:8) laid over 150mm cement concrete (1:4:8) using 40mm hard grabnite metal etc all complete as per specification.	Each	1.00	2501.20	2501.20
54	Fixing water closet, squatting pan (Indian type W.C pan) conforming to IS 2556 : Part 3-2004 duly embedded in cement concrete (1:4:8) using hard granite metal 4cm nominal size all complete as per specification	Each	1.00	2412.60	2412.60
55	Fixing 15mm dia PVC inlet connection pipe and making connection with pillar cocks and supply mains for wash basin complete as per specification	Each	5.00	93.90	469.50
56	Fixing PVC waste pipe of following nominal diameter for wash basin or sink including brass check nut complete as per specification	Each	4.00	84.30	337.20
57	Fixing Chromium Plated Brass Shower rose with 15mm or 20mm inlet including polishing all complete as per specification.	Each	3.00	354.60	1063.80
58	Fixing 600mm x 450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C sheet or plywood sheet and fixed to wooden plugs with chromium plated brass screws and washers complete as per specification.	Each	5.00	708.80	3544.00
59	Fixing standard sized glass-shelf with Chromium Plated brass brackets and guard rails complete, fixed to wodden plugs with Chromium Plated brass screws as per specification.	Each	5.00	599.40	2997.00
60	Fixing standard sized Chromium Plated brass towel ring fixed to wooden plugs with Chromium Plated brass screws, complete as per specification.	Each	3.00	427.20	1281.60

61	Fixing standard sized Chromium Plated brass towel rail complete with Chromium Plated brass brackets fixed to wooden plugs with Chromium Plated brass screws, complete as per specification. AKP 35711P (Jaquar)	Each	3.00	824.80	2474.40
	Fitting fixing of P.H fixtures				
	15mm. Dia CP Brass Angle Stop cocks	Each	7.00	713.80	4996.60
	15mm. Dia CP Brass short body Bib cock	Each	3.00	698.50	2095.50
	15mm. Dia CP Brass long body Bib cock	Each	3.00	755.30	2265.90
	15mm dia Brass Screw-down Bib Cock	Each	2.00	412.30	824.60
	15mm dia C.P concealed stop cock	Each	3.00	856.70	2570.10
	15mm Dia CP Brass pillar cock	Each	3.00	694.30	2082.90
	soap holder	Each	5.00	156.70	783.50
	100mm dia round grating	Each	6.00	71.00	426.00
	32 mm dia waste coupling	Each	6.00	108.40	650.40
	32mm dia Urinal waste coupling	Each	1.00	126.20	126.20
	CP Health Foucet with 1.0 mtr PVC Tube	Each	2.00	637.60	1275.20
	15mm dia CP urinal spreader	Each	2.00	663.80	1327.60
	15 mm CP 2 in 1 Bib cock .	Each	3.00	999.40	2998.20
	25 mm PVC Ball Cock with Rod and Ball	Each	1.00	690.30	690.30
	25 mm PVC Ball Valve (FT)	Each	4.00	246.50	986.00
	32 mm PVC Ball Valve (FT)	Each	2.00	275.10	550.20
	25 mm UPVC-ASTM Tank Nipple	Each	4.00	42.00	168.00
	32 mmUPVC-ASTM Tank Nipple	Each	4.00	86.80	347.20
	25mm dia GI SHORT PIECE	Each	2.00	22.20	44.40
	32mm dia GI SHORT PIECE	Each	2.00	22.20	44.40
	32mm dia PVC .Union	Each	2.00	80.40	160.80
	25mm diaPVC.Union	Each	4.00	80.00	320.00
62	Fixing 100mm size 'P' or 'S' trap (with horn or without horn) for water closet squatting pan including jointing the trap with pan in cement mortar (1:1) as per specification.	Each	3.00	649.60	1948.80
63	Providing and laying in trenches PVC pipes conforming to ASTM-D-1785/89 (Schedule-80) of the following nominal bore and pipe fittings including testing as per specification complete. (Earth work in trenches to be measured and paid for separately)				
	32mm dia ASTM Sch-80 loading line	per mtr	30.00	240.10	7203.00
	25mm dia ASTM Sch-80 Supply line	per mtr	30.00	182.50	5475.00
	25mm 'J' hooks	per mtr	16.00	22.50	360.00
	32mm 'J' hooks	per mtr	12.00	28.55	342.60
64	Cutting hole in R.C.C floors and roofs upto 19 cm thick for passing G.I / P.V.C pipes and fittings etc and repairing the holes after insertion of pipes etc with cement concrete (1:2:4) including finishing complete so as to make it leak proof.	Each	8.00	177.40	1419.20
65	Cutting grooves in pucca floors and walls for taking GI/PVC pipes and making good the damages as per specification complete.	per mtr	20.00	180.20	3604.00
	Fixing Rotational molded polyethylene Cylindrical Vertical water storage tanks conforming to IS : 12701 - 1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providings extra sockets and Jam nuts , fixing ball valve etc, including hoisting up to a height of 5mtr above ground level and placing the tank to the required position etc. all complete as per direction of the Engineer-in-Charge.				
	1000 litre capacity Double Layer Cylindrical Vertical water storage tanks (on the roof of)	Each	1.00	10726.80	10726.80

66	Supplying of all materials labour T&P for construction of staaging of 1000ltr PVC tank with KB bricks in cement mortar (1:6) of RCC (1:1,1/2:3) for base slab and beam over brick work in first floor etc. all complete as per specification and direction of Engineer-in-charge				
	For 1000ltr capacity	each	1.00	8729.00	8729.00
67	Supplying all labour T&P for RCC Ring Tank(Soak way pit) 1.20 m dia x 1.5 mtr deep Supplying all materials, labour and T&P for construction of 1.20mtr.dia.x1.50mtr. Deep soak-way pit with RCC ring up to 1.10mtr. height and filled with dry brick khoa of 50mm.to 100mm.size to a height of 2.00mtr.from bottom, covered by means of 40mm.thick R.C.C. perforated slab,50mm.thick R.C.C.well cover in pieces fitted with iron rings including earth work in excavation and refilling of cavity around the pit etc. all complete as per approved design and drawing.	each	1.00	12565.00	12565.00
68	Supplying all materials, labour and T&P for construction of Gully Trap chamber as per P.H. specification and design all complete. [including earth work]				
	Size (250x250x675)mm	each	3.00	1263.30	3789.90
69	Supplying all labour T&P for laying in providing stack line & vent pipes complete with all fitting fixing with all jointing materials complete as per the P.H specification and direction Engg-in-Charge.				
	Supplying of 110mmdia PVC pipe of 4.0kg / sqcm	mtr	30.00	292.30	8769.00
	Supplying of 75 mmdia PVC pipe of 4.0kg / sqcm	mtr	30.00	189.40	5682.00
	cost of 110mm PVC plain Junction with door	Each	6.00	227.00	1362.00
	110mm dia pvc swr door bend 87.5	Each	4.00	178.90	715.60
	110 mm dia P.V.C. SWR plain bend 87.5'	Each	2.00	145.60	291.20
	110mm equal tee	Each	3.00	198.40	595.20
	cost of 110mm PVC offset bend	Each	6.00	361.30	2167.80
	Cost of 110mm PVC Cowl	Each	3.00	51.60	154.80
	110 mm dia P.V.C. SWR.pipe clip	Each	6.00	51.90	311.40
	Solvent cement	kg	2.00	723.40	1446.80
70	Supplying all materials, labour and T&P for construction of inspection chamber as per P.H. specification and design all complete. [including earth work]				
	Inspection chamber size (0.75x0.75x0.45mtr.)	Each	2.00	6151.90	12303.80
				T-	2210843.90
				Or Say-	2210844.00

TOTAL 70 (Seventy) Items only

My/ our quoted rate is.....% Excess over / 2210844.00

(Rate to be quoted both figure & ward)

Signature of Contractor

APPROVED

Bh...
14.12.2021
C.D.M & PHO,
Jajpur

BILL OF QUANTITIES

Name of the Work- Construction of Day care Sub Center-cum-health & Wellness Center at Dhanmandal under Badachana Block.

Tender Call Notice No	:-	4227, dt. 14/12/2021
Estimated Cost	Rs.	2211304.00
E.M.D. to be deposited	:-	1% of estimated cost.
Class of Contractor	:-	'D' & 'C' Class
Time of Completion	:-	3 (Three) Calendar months
Last date of receipt of tender paper :-		22/12/2021 upto 2 PM
Date of opening of tender paper :-		22/12/2021 at 4.00 PM

Sl. No	Description of items	Unit	Quantity	Rate	Amount
1	Earthwork in all kinds of soil within 50m initial lead and 1.5m initial lift including dressing and levelling the bed with cost of all labour T&P etc	Cum	116.35	164.64	19155.86
2	Filling F&P with sand well watered and rammed with cost of all labour T&P etc complete.	Cum	119.15	382.74	45603.47
3	Cement concrete (1:3:6) with 4cm size hard granite metal including watering curing and cost of all labour T&P etc complete.	Cum	28.22	4362.36	123105.80
4	Brick work with Fly ash bricks having crushing strength between 149kg/cm ² in cement mortar (1:6) with cost, conveyance, royalty watering & curing etc. complete. In foundation and plinth	Cum	50.64	4158.29	210575.81
5	RCC concrete (M-20) with 20mm & down graded size hard granite chips including cost, conveyance, royalty, taxes, watering and curing etc. complete.				
	Column Base-	Cum	14.59	4802.79	70072.71
	Plinth Beam-	Cum	5.73	5164.04	29589.95
	Column & Beam-	Cum	3.21	12352.19	39650.53
	Lintel-	Cum	3.10	8456.48	26215.09
	Stair case-	Cum	2.00	10942.99	21885.98
	Chajja-	Sqm	13.47	779.92	10505.52
	Roof Slab-	Cum	11.39	8943.93	101871.36
	Shelves	Sqm	20.00	656.72	13134.40
6	Supplying, fitting and placing un coated HYSD bar reinforcement complete as per drawing and technical specification.	Qtl	41.00	8882.55	364184.55
7	Brick work with Fly ash bricks having crushing strength between 149kg/cm ² in cement mortar (1:6) with cost, conveyance, royalty watering & curing etc. complete. In Superstructure	Cum	62.12	4191.62	260383.43
8	16mm thick cement plaster (1:6) over brick or stone masonry with cost of all materials and all labour etc. complete.	Sqm	293.72	196.75	57789.41
9	12mm thick cement plaster (1:6) over brick work with cost of all materials and all labour etc. complete.	Sqm	215.33	137.80	29672.47
10	20mm thick CP(1:4) over roof slab for grading plaster with cost of all materials and all labour etc. complete.	Sqm	113.29	217.85	24680.23
11	Dressed seasoned sal wood work framed and fixed (wrought and put up) in trusses, purlines, frames of doors, windows, ventilators and beams including all labour T&P etc complete.	Cum	0.24	48102.16	11544.52
12	Supplying fitting and fixing of MS window grills of approved design including cost of all materials all labour T&P etc complete.	Kg	750.65	80.00	60052.00

13	32mm piasal wood or local Teak wood paneled shutters moulded panels with all labour, iron fittings, and wooden hinged cleats etc fitted and fixed complete in all respect excluding the cost of iron fittings.	Sqm	10.33	3,048.85	31494.62
14	Providing and Fixing granite tiles in floors treads or steps and landing on 25mm thick bed of cement mortar (1:1) jointed with neat cement slury mixed with pigment to match the shades of the tiles including rubbing and polishing complete including cost of tiles .(Ref. P-90, sl-17 of A/R- 06)	Sqm	12.00	1,759.36	21112.32
15	Supplying fitting and fixing vitrified tile in floors of size 600mm x 600m of approved make conforming to US 13755 laid on 20mm thick CM(1:4) and filling joints with white cement of approved quality including cost of all materials labour T&P etc required for the work all complete.	Sqm	81.37	1,254.12	102047.74
16	Fixing tiles in dados skirting and risers of steps on 12mm thick CP(1:3) jointed with neat cement slurry mixed with pigments to match the shade of the tiles including rubbing and polishing complete including cost of precast tiles.	Sqm	46.45	1,073.98	49886.37
17	Fixing Checkered tiles in floors and steps and landing on 25mm thick bed of cement mortar 1:1 etc complete.	Sqm	15.00	643.45	9651.75
18	Supplying, fitting, and fixing Glazed tile in floors of approved make conforming IS:13755 laid on 20mm thick CM(1:4) and filling joints with white cement of approved quality including cost of all materials labour T&P etc as per direction of Engineer-in charge.	Sqm	30.00	674.55	20236.50
19	Priming one coat with any approved primer including cost conveyance,taxes of all materials to site and all labour charges complete (Data for 9.3 Sqm)AR,P-93,sl-1	Sqm	587.64	58.53	34394.57
20	Wall painting two coats to walls with plastic emulsion paint of approved shade on new work two coat to give an even shade including cost of paint per 1 sqm.(Ref. P-99, item-20 of A/R- 06). Data 10 sqm	Sqm	375.09	86.53	32456.54
21	Finishing walls with weather coat two coats including cost of cement paint & labour charges.	Sqm	215.33	71.47	15389.64
22	Painting two coats with any approved paint over a coat of primer with cost of paint, primer & labour T&P etc complete.	Sqm	77.50	201.94	15650.35
23	Supplying & fixing of PVC Door including all cost of labour, materials etc complete.	Sqm	4.88	2500.00	12200.00
24	Supplying ,fitting & fixing of stainless of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with Balustrade of size 32mmx32mm x2mm @ rate 0.90mtr . c/c and stainless square pipe bracing of size 32mmx32mmx2mm in 3 rows in stair case as per approved design and specification, buffing , polishing etc with cost ,conveyance, taxes of all materials , labour, T&P etc. required for the complete in all respect.	Rmt	7.00	3499.55	24496.85
25	Supplying, fitting and fixing of WI clamps 25 cm to 30 cm long in choukaths of door and window with CC(1:2:4) with all labour T&P etc complete.	Each	94.00	11.20	1052.80
(A) SINKING OF BORE WELL					
26	Supplying all materials, labour, T&P & setting up boring equipments including erection of suitable staging for installation of required size of tube wells, dismantling & removing the same after completion of the work including transportation of boring equipments cleaning & leveling the site excavation of mud pit channels etc. all complete as per direction of Engineer-in-charge.	Each	1.00	10593.00	10593.00

	Supplying all labour, T&P & transporting the boring pipes & top casing grouting pipes, PVC pipes & fittings, PVC well screens, bentonite & gravels etc to work site & return of departmental materials after use including loading & unloading etc. all complete as per direction of Engineer-in-Charge.	Each	1.00	1727.27	1727.27
28	Supplying all labour, T&P & drilling pilot bore not less than 102mm dia without casing pipes in all kinds of soils & rocks for the following depths excluding of supply of necessary boring pipes, including supply of necessary cutting equipments extra socket wherever required & withdrawing the boring pipes washing & keeping the bore clear for logging if required as per the direction of Engineer-in-Charge. (Drilling pilot bore)	Each Mtr	55.00	989.00	54395.00
29	Supplying all labour, T&P & reaming the pilot bore to the following size & depth without casing pipes including withdrawing the casing pipes, washing the bore by means of pipe cylinder etc. complete as per the direction of Engineer-in-Charge. (Reaming from 100mm to 150mm dia).	Each Mtr	30.00	130.00	3900.00
30	Supplying all labour, T&P & jointing materials & lowering the PVC casing pipes fittings & well screens in position including fitting fixing of centralizer, cutter plug & washing the bore as per direction of Engineer-in-Charge.				
	a) Lowering of 125mm dia PVC Pipe :	Each Mtr	30.00	43.00	1290.00
	b) Lowering of 50mm dia PVC Pipe :	Each Mtr	25.00	30.90	772.50
31	Supplying all labour, T&P and grouting with cement slurry for sanitary sealing in the bore around the uppermost 3.00 mtrs. of 125 / 100 mm. dia PVC casing pipes properly etc.all complete including cost, conveyance, royalty of all materials as per the direction of the Engineer-in-charge.	Each	1.00	1942.00	1942.00
32	Supplying all labour, T&P & developing the tube well with 8 hours continuous pumping per day for seven consecutive days or till sand free clear water is obtained as per direction of the Engineer-in-charge.	Each	1.00	1581.00	1581.00
33	Supplying all labour, T&P for fitting & fixing of IMII tube well hand pump with C.I cylinder, 12mm B.S. connecting rod, 32mm/ 40mm dia G.I / PVC pipe of required length with supply of extra sockets of approved make etc. complete as per direction of the Engineer-in-charge.	Each	1.00	1507.00	1507.00
34	Supplying all labour T&P & materials for construction of tube well platform as per UNICEF design, with C.C (1:2:4) including excavation of earth pit of size (0.76x0.76x0.30) for H.P leg, grouting with C.C & keeping the top of the platform minimum 1 foot high from existing road level & its parapet of size 1.85 m dia etc including documentation before & after construction of platform as per direction of the Engineer-in-charge.				
35	(a) Platform :	Each	1.00	5183.00	5183.00
36	(b) Drain :	Each Mtr	3.00	389.00	1167.00

37	Polythil chloride (pvc pipe) asa per ASTM-D-1785-04 having threads in accordance with DIN/BIS specification.Length of pipe (Laying length) will be 5 mtr both end threaded with external thread at one end (Male thread) and internal thread at other end (Female thread) with a groove at the root of the male thread to accomodate flexible PVC/Rubber o ring to make the joint water tight ,colour of the pipe shall be blue etc complete including the cost of threading and belling O ring etc.				
	125 mm ND ASTM-D PVC pipes(Sch,-80)	Each Mtr	30.00	852.30	25569.00
	50 mm ND ASTM-D PVC pipes(Sch,-80)	Each Mtr	19.00	205.74	3909.06
	50 mm ND ASTM-D PVC stainer pipes	Each Mtr	6.00	250.00	1500.00
	125 mmx50 mm dia ND pvc reducer socket.	Each	1.00	275.00	275.00
	50 mm dia CI plug cutter	Each	1.00	150.00	150.00
38	ISI marked deep well hand pump standard (SDWP) confirming to IS No 15500(P1-2)/2004 copmpleted with accessories and along with 8 nos of 32 mm nominal bore hot dip galvanised screwed and socked,fitted with solid bar socket fitted at one end and thread protector at the other end and with 8 nos of 12 mm dia connecting rod made of bright bar electro galvanised fitted with coupler and fitted with stand assembly suitable for use in bore well/casing of 100 mm and 125 mm.N.B min.(Composite set)	Each	1.00	12000.00	12000.00
	(B) PUMP SET INSTALLATION				
39	Supplying T&P,material including taxes of ISI marked star labeled single phase vertical stainless steel submersible pump set (KSB / Kirloskar / Crompton / Texmo / CRI etc. make) suitable for 125 mm dia bore with discharge of 1.00 LPS & 55 mtr head along as per direction of the Engineer - in- Charge.	Each	1.00	12500.00	12500.00
40	Supplying all labour for lowering of the above pumpset as per the direction of the Engineer-in-Charge.	Each	1.00	3000.00	3000.00
41	Supplying all T&P,material including taxes of ISI marked control panel suitable for the required pump set as per direction of the Engineer - in Charge. Suitable for 1.00 HP pump set:	Each	1.00	3200.00	3200.00
42	Supplying, fitting & fixing of 2.5 sqmm 3 core copper Flat cable.	Each Mtr	40.00	80.00	3200.00
43	Supplying, fitting & fixing of all electrical material like main switch,wire,cutout, etc for pump set operation etc complete as per direction of engineer in charge	Each	1.00	3000.00	3000.00
44	Supplying, fitting & fixing of 32mm dia HDPE (PN:10) column pipe including cost of nut bolt & rubber insertion with all taxes carriage & labour etc. for lowering of pump set	Each Mtr	25.00	80.00	2000.00
45	Supplying all labour for lowering of the above pumpset as per the direction of the Engineer-in-Charge.				
	32 mm dia full way valve	Each	1.00	1549.00	1549.00
	Plastic rope	Each Mtr	25.00	20.00	500.00
	32 mm dia steel nipple to connect HDPE pipe	Each	2.00	380.00	760.00
	Steel nut & bolt to connect HDPE pipe	Each	2.00	120.00	240.00
	32mm X 25mm reducer socket	Each	1.00	80.00	80.00
	Bore well cover	Each	1.00	650.00	650.00

MS clamp

C) External & Internal PH Work

		Each	1.00	300.00	300.00
46	Fixing Wash Down Water Closet (European type W.C pan) with integral 'S' or 'P' trap conforming to IS 2556 : Part 8-2004, to the floor with wooden plug and chromium plated screws including jointing the trap with soil pipe in cement mortar (1:1) etc all complete as per specification. (Seat and cover to be measured and paid for separately)	Each	2.00	2331.10	4662.20
47	Fixing plastic seat and cover for wash down water closet with chromium plated brass hinges and rubber buffers all complete as per specification.	Each	2.00	611.60	1223.20
48	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.	Each	3.00	1488.00	4464.00
49	Fixing wash basins with hole for pillar taps conforming to IS 2556 : Part 4-2004 with Cast Iron or M S brackets painted white including cutting holes in walls and making good the damages etc all complete as per specification.	Each	3.00	2282.70	6848.10
50	Fixing pedestal for wash basin complete recessed at the back for the reception of pipes and fittings	Each	3.00	2041.80	6125.40
51	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required. Stainless steel kitchen sink - with drain board 510x1040 mm bowl depth 250 mm	Each	1.00	3338.50	3338.50
52	Fixing bowl pattern urinal conforming to IS 2556 : Part 6-1996 including connecting the urinal of 430x260x350 mm or 340x410x265 mm sizes respectively with waste pipe by means of white lead mixed with chopped hemp etc all complete as per specification.	Each	2.00	1840.50	3681.00
53	Fixing glazed earthenware squatting plate of size 600mmx350mm conforming to IS 2556 : Part 6-1995 with integral longitudinal flushing pipe including embedding the plate in 25mm cement mortar (1:8) laid over 150mm cement concrete (1:4:8) using 40mm hard granite metal etc all complete as per specification.	Each	1.00	2501.20	2501.20
54	Fixing water closet, squatting pan (Indian type W.C pan) conforming to IS 2556 : Part 3-2004 duly embedded in cement concrete (1:4:8) using hard granite metal 4cm nominal size all complete as per specification	Each	1.00	2412.60	2412.60
55	Fixing 15mm dia PVC inlet connection pipe and making connection with pillar cocks and supply mains for wash basin complete as per specification	Each	5.00	93.90	469.50
56	Fixing PVC waste pipe of following nominal diameter for wash basin or sink including brass check nut complete as per specification	Each	4.00	84.30	337.20
57	Fixing Chromium Plated Brass Shower rose with 15mm or 20mm inlet including polishing all complete as per specification.	Each	3.00	354.60	1063.80
58	Fixing 600mm x 450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C sheet or plywood sheet and fixed to wooden plugs with chromium plated brass screws and washers complete as per specification.	Each	5.00	708.80	3544.00
59	Fixing standard sized glass-shelf with Chromium Plated brass brackets and guard rails complete, fixed to wooden plugs with Chromium Plated brass screws as per specification.	Each	5.00	599.40	2997.00
60	Fixing standard sized Chromium Plated brass towel ring fixed to wooden plugs with Chromium Plated brass screws, complete as per specification.	Each	3.00	427.20	1281.60

61	Fixing standard sized Chromium Plated brass towel rail complete with Chromium Plated brass brackets fixed to wooden plugs with Chromium Plated brass screws, complete as per specification. AKP 35711P (Jaquar)	Each	3.00	824.80	2474.40
	Fitting fixing of P.H fixtures				
	15mm. Dia CP Brass Angle Stop cocks	Each	7.00	713.80	4996.60
	15mm. Dia CP Brass short body Bib cock	Each	3.00	698.50	2095.50
	15mm. Dia CP Brass long body Bib cock	Each	3.00	755.30	2265.90
	15mm dia Brass Screw-down Bib Cock	Each	2.00	412.30	824.60
	15mm dia C.P concealed stop cock	Each	3.00	856.70	2570.10
	15mm Dia CP Brass pillar cock	Each	3.00	694.30	2082.90
	soap holder	Each	5.00	156.70	783.50
	100mm dia round grating	Each	6.00	71.00	426.00
	32 mm dia waste coupling	Each	6.00	108.40	650.40
	32mm dia Urinal waste coupling	Each	1.00	126.20	126.20
	CP Health Foucet with 1.0 mtr PVC Tube	Each	2.00	637.60	1275.20
	15mm dia CP urinal spreader	Each	2.00	663.80	1327.60
	15 mm CP 2 in 1 Bib cock .	Each	3.00	999.40	2998.20
	25 mm PVC Ball Cock with Rod and Ball	Each	1.00	690.30	690.30
	25 mm PVC Ball Valve (FT)	Each	4.00	246.50	986.00
	32 mm PVC Ball Valve (FT)	Each	2.00	275.10	550.20
	25 mm UPVC-ASTM Tank Nipple	Each	4.00	42.00	168.00
	32 mmUPVC-ASTM Tank Nipple	Each	4.00	86.80	347.20
	25mm dia GI SHORT PIECE	Each	2.00	22.20	44.40
	32mm dia GI SHORT PIECE	Each	2.00	22.20	44.40
	32mm dia PVC .Union	Each	2.00	80.40	160.80
	25mm diaPVC.Union	Each	4.00	80.00	320.00
62	Fixing 100mm size 'P' or 'S' trap (with horn or without horn) for water closet squatting pan including jointing the trap with pan in cement mortar (1:1) as per specification.	Each	3.00	649.60	1948.80
63	Providing and laying in trenches PVC pipes conforming to ASTM-D-1785/89 (Schedule-80) of the following nominal bore and pipe fittings including testing as per specification complete. (Earth work in trenches to be measured and paid for separately)				
	32mm dia ASTM Sch-80 loading line	per mtr	30.00	240.10	7203.00
	25mm dia ASTM Sch-80 Supply line	per mtr	30.00	182.50	5475.00
	25mm 'J' hooks	per mtr	16.00	22.50	360.00
	32mm 'J' hooks	per mtr	12.00	28.55	342.60
64	Cutting hole in R.C.C floors and roofs upto 19 cm thick for passing G.I / P.V.C pipes and fittings etc and repairing the holes after insertion of pipes etc with cement concrete (1:2:4) including finishing complete so as to make it leak proof.	Each	8.00	177.40	1419.20
65	Cutting grooves in pucca floors and walls for taking GI/PVC pipes and making good the damages as per specification complete.	per mtr	20.00	180.20	3604.00
	Fixing Rotational molded polyethylene Cylindrical Vertical water storage tanks conforming to IS : 12701 - 1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providings extra sockets and Jam nuts , fixing ball valve etc, including hoisting up to a height of 5mtr above ground level and placing the tank to the required position etc. all complete as per direction of the Engineer-in-Charge.				
	1000 litre capacity Double Layer Cylindrical Vertical water storage tanks (on the roof of)	Each	1.00	10726.80	10726.80

	Supplying of all materials labour T&P for construction of staaging of 1000ltr PVC work with KB bricks in cement mortar (1:6) of RCC (1:1,1/2:3) for base slab and beam over brick work in first floor etc. all complete as per specification and direction of Engineer-in-charge				
	For 1000ltr capacity	each	1.00	8729.00	8729.00
67	Supplying all labour T&P for RCC Ring Tank(Soak way pit) 1.20 m dia x 1.5 mtr deep Supplying all materials, labour and T&P for construction of 1.20mtr.dia.x1.50mtr. Deep soak-way pit with RCC ring up to 1.10mtr. height and filled with dry brick khoa of 50mm.to 100mm.size to a height of 2.00mtr.from bottom, covered by means of 40mm.thick R.C.C. perforated slab,50mm.thick R.C.C.well cover in pieces fitted with iron rings including earth work in excavation and refilling of cavity around the pit etc. all complete as per approved design and drawing.	each	1.00	12565.00	12565.00
68	Supplying all materials, labour and T&P for construction of Gully Trap chamber as per P.H. specification and design all complete. [including earth work]				
	Size (250x250x675)mm	each	3.00	1263.30	3789.90
69	Supplying all labour T&P for laying in providing stack line & vent pipes complete with all fitting fixing with all jointing materials complete as per the P.H specification and direction Engg-in-Charge.				
	Supplying of 110mmdia PVC pipe of 4.0kg / sqcm	mtr	30.00	292.30	8769.00
	Supplying of 75 mmdia PVC pipe of 4.0kg / sqcm	mtr	30.00	189.40	5682.00
	cost of 110mm PVC plain Junction with door	Each	6.00	227.00	1362.00
	110mm dia pvc swr door bend 87.5	Each	4.00	178.90	715.60
	110 mm dia P.V.C. SWR plain bend 87.5'	Each	2.00	145.60	291.20
	110mm equal tee	Each	3.00	198.40	595.20
	cost of 110mm PVC offset bend	Each	6.00	361.30	2167.80
	Cost of 110mm PVC Cowl	Each	3.00	51.60	154.80
	110 mm dia P.V.C. SWR.pipe clip	Each	6.00	51.90	311.40
	Solvent cement	kg	2.00	723.40	1446.80
70	Supplying all materials, labour and T&P for construction of inspection chamber as per P.H. specification and design all complete. [including earth work]				
	Inspection chamber size (0.75x0.75x0.45mtr.)	Each	2.00	6151.90	12303.80
				T-	2211303.57
				Or Say-	2211304.00

TOTAL 70 (Seventy) Items only

My/ our quoted rate is.....% Excess over / 2211304.00
(Rate to be quoted both figure & ward)

Signature of Contractor

APPROVED

B. Bhatia
14.12.2021
C.D.M & PHO,
Jajpur