



इरकॉन इन्टरनेशनल लिमिटेड

(भारत सरकार का उपक्रम)

IRCON INTERNATIONAL LIMITED

(A Govt. of India Undertaking)

An Integrated Engineering and Construction Company

MCL PMC Project, FCI Road, Ghantapada, Talcher -759103, Dist.-Angul, Odisha.

Email: ircon.r1400028@ircon.org



No. IRCON/R-1400028/MCL/Tender/2024/04/LOA/ 232

Date: 12.08.2024

To,
M/s Dhananjay Construction Pvt. Ltd,
East Gandhi Maidan,
Jehanabad
Bihar-804408

Sub: Construction of Station Building / EI Cabin /S&T Goomty / SSP Building and other related work in connection with Development of Rail Infrastructure for proposed 02 Nos RLS (20 MTY) for Ananta OCP of Jagannath area, MCL at modified route (i.e. through excavated de-coaled area of Ananta & Bharatpur OCP of MCL) at Talcher in the state of Odisha-
Letter of Acceptance

Ref: (i) Tender No.- IRCON/R 1400028/MCL/Tender/2024/04 Date: 13.05.2024
(ii) Corrigendum No.1 Dated 29.05.2024
(iii) Your bid submission Dated 04.06.2024
(iv) Technical Bid opened on 07.06.2024 and financial bid opened on 09.07.2024

Dear Sir,

In reference to the above, it is to inform that the competent authority of Ircon International Limited has accepted your offer at the quoted rate of 11% below on all the schedules with the total amount of Rs. 5,21,21,922.59 (**Rupees Five Crore Twenty-One Lakh Twenty-One Thousand Nine Hundred Twenty-Two and Fifty-Nine Paise only**) including GST for the above subjected work without any change in the tender conditions in its capacity as a Power of Attorney Holder, acting for and on behalf of M/s Mahanadi Coalfields Limited (MCL). The detail bill of quantity enclosed herewith as Annexure- I.

The important Terms and Conditions of the above tender is mentioned in brief below, however the clauses as mentioned in the tender document shall be final and binding.

1. Completion Period:

The completion period of the above work will be 6 (Six) months including the monsoon period from the date of issue of this letter of acceptance in line to Clause No. 9 of Special Conditions of Contract. The work has to be executed in co-ordination with other agencies working on or near the project.

2. Performance Security:

You are requested to furnish Performance Security in the form of irrevocable Bank Guarantee on the Performa annexed as Annexure-II of GCC of tender document from any scheduled bank for an amount of 5% (Five percent) of the contract value i.e. **Rs. 26,06,100.00 (Rupees Twenty-Six Lakh Six Thousand and One Hundred only)**. In line to Clause No. 13 of Special Conditions of Contract and you are also submit to additional Performance Guarantee of an amount of **Rs. 2,92,820.00 (Rupees Two Lakh Ninety-Two Thousand and Eight Hundred-Twenty only)** in line to Clause No. 8.1 (iv) of General Conditions of Contract within 21 days from date of issue of Letter of Acceptance. This guarantee shall be initially valid upto the stipulated date of completion plus 60 days beyond that.

Signature
12/8/24

रजि कार्यालय : सी. - 4 डिस्ट्रिक्ट सेंटर, साकेत, नई दिल्ली -110017" भारत

Regd. Office: C-4, District Centre Saket, New Delhi-110017 INDIA

Tel.: +91-1129565666 Fax: 91-11-26854000, 26522000

E-mail: info@ircon.org web.: www.ircon.org

CIN: L45203DL1976GOI008171



3. Accepted Rates and Price Variation:

The quoted rate shall be deemed to include all the cost towards the scope of work of contractor as detailed in the tender document including cost of all materials, labours plant and machinery, supervision, overhead, profit, insurances including transit insurance, replacement/correction of defective works, incidentals etc. and all the taxes and duties etc. complete. Nothing extra over the accepted rate will be payable unless noted expressly otherwise in the tender document.

4. Variation of Quantity:

The variation in quantities shall be dealt as per Clause No. 58 and 59 of General Conditions of Contract.

5. Maintenance and Defect Liability Period:

The Contractor shall maintain, rectify and make good at his own cost any defect/ deficiencies, which may develop in the work or as notified by the Engineer during Defect Liability Period of 12 months from date of completion of the work as per Clause No.10 of Special Conditions of Contract.

6. Insurance:

In term of Clause No.11 of Special Conditions of Contract, before commencement of work, you are requested to obtain insurance cover as per details provided in the clauses.

7. Contract Agreement:

In term of Clause No. 12.5 of General Conditions of Contract, you have to attend the office of General Manager, Ircon International Limited, 5th floor, OHSB Building, Sachivalaya Marg, Bhubaneswar Odisha-751001 for signing the Contract Agreement within 28 days of issue of Letter of Acceptance. Format of Contract Agreement is enclosed as Annexure-I of General Conditions of Contract. The stamp paper of requisites value as per the prevailing laws shall be provided by the contractor at his own cost. Original Agreement shall be retained by the Employer/ Engineer and certified copy shall be made available to the contractor.

8. Security Deposit/ Retention Money:

Retention money will be recovered from account/ final bill as per the Clause No. 8.2 of General Conditions of Contract.

9. You are requested to contact General Manager, Ircon International Limited, 5th Floor OSHB Building, Sachivalaya Marg, Bhubaneshwar, Odisha-751001 for carrying out the contract.

10. Conditions mentioned above in this LOA are brief reference of the term of tender document. Detailed terms and conditions shall be as per NIT, Tender documents & Corrigendum, which shall be an integral part of this contract and shall be binding on you.

11. Priority of document shall as per Clause No. 1 of Special Conditions of Contract.

12. As per Clause No. 07 of Integrity Pact (Enclosed as Annexure VI to Instructions to the Tenderer), the legal jurisdiction for this contract shall be New Delhi.

13. This letter will constitute a legal and binding contract between M/s Ircon International Limited and M/s Dhananjay Construction Pvt. Ltd. East Gandhi Maidan, Jehanabad-804408 (Bihar) till such time the contract agreement is signed.



14. This letter is being issued to you in duplicate. You are requested to return one copy of this letter of acceptance duly signed & stamped on each page by your authorised representative as a token of your acceptance.

Thanking you.

Document attached: **Bill of Quantities 8 Pages.**

For and Behalf of MCL
Yours faithfully

[Signature]
12/8/24

(Himanshu Kumar)
General Manager/Civil
IRCON International Limited

Copy to:

1. General Manager/Jagannath Area, Mahanadi Coalfields Limited, P.O.: Balanda, Talcher, Dist. Angul, Odisha-759116 - for information please.
2. General Manager / Railway Siding, Mahanadi Coalfields Limited, Jagruti Vihar, Burla, Sambalpur, Odisha -768020 - for information please.
3. Executive Director / Projects, Ircon International Limited, C-4, District Centre, Saket, Delhi-110017- for kind information.
4. DM/Civil, Ircon International Limited, MCL PMC Project.
5. DGM/Fin., Ircon International Limited, Bhubaneswar.



IRCON INTERNATIONAL LIMITED**BHUBANESWAR****BILL OF QUANTITY ABSTRACT**

Sl. No.	Type of Items	Schedule No.	Description of Works	Amount in Rs.
1	DSR 2021 Items	Schedule -IA	Earthwork	34,12,505.08
2		Schedule -IB	Concrete Work	1,20,59,887.37
3		Schedule -IC	Masonry Work	52,46,744.14
4		Schedule -ID	Finishing Work	94,69,789.77
5		Schedule -IE	Water Supply	13,51,029.49
6		Schedule -IF	Reinforcement Steel & Misc Work	1,17,37,793.48
Total of Schedule-I =				4,32,77,749.33
7	DSR 2021 Items	Schedule -II	Granular filling	41,43,763.52
8	Non -SOR Items	Schedule -III	Supply of Inspection Vehicle	22,08,960.00
Total Schedule Amount-I, II & III (Excluding GST) =				4,96,30,472.85
Deduct Contract Deduction @ 11 % below as Quoted by Bidder =				54,59,352.01
Total amount after contract deduction =				4,41,71,120.84
Add GST @ 18% =				79,50,801.75
Gross Amount After GST =				5,21,21,922.59



SCHEDULE-1A :- EARTH WORK

Item No	DSR 2021 Code No.	Description of items	Unit	Quantity	Rate As Per DSR 2021, Excl. GST (Rs.)	Amount (Rs.)
1	2.6	Earth work in excavation by mechanical means (Hydraulic excavator) manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.				
	2.6.1	All kinds of soil	cum	4455	183.44	8,17,225.20
2	2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
	2.8.1	All kinds of soil	cum	72	256.12	18,440.64
3	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	cum	5500	226.74	12,47,070.00
4	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	cum	203	1,929.60	3,91,708.80
5	2.31	Cleaning jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared.	sqm	2340	12.95	30,303.00
6	2.32	Clearing grass and removal of the rubbish up to a distance of 50 m outside the periphery of the area cleared.	sqm	2340	6.61	15,467.40
7	2.34	Supplying chemical emulsion in sealed containers including delivery as specified.	sqm			
8	2.34.1	Chlorpyrifos emulsifiable concentrate of 20%	litre	104	179.38	18,655.52
9	2.35	Diluting and injecting chemical emulsion for POST-CONSTRUCTION anti-termite treatment (excluding the cost of chemical emulsion) :				
	2.35.3	Treatment of soil under existing floors using chemical emul- sion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to match the existing floor.				
	2.35.3.1	With Chlorpyrifos E.C. 20% with 1% concentration	sqm	2340	228.71	5,35,181.40
				Total Cost as per DSR 2021 (Rs.) =		30,74,051.96
				Add Price Escalation @ 11.01 %		3,38,453.12
				Total Estimated Cost of Schedule 1A (Rs.) =		34,12,505.08

SCHEDULE-1B :- CONCRETE WORK

10	4.3	Centering and shuttering including strutting, propping etc. and removal of form work for :				
	4.3.1	Foundations, footings, bases for columns	sqm	200	274.96	54,992.00
11	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
	4.1.3	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources) : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	328	6,576.03	21,56,937.84
12	4.10	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources) : 4 graded stone aggregate 12.5mm nominal size derived from natural sources)	sqm	335	331.12	1,10,925.20
13	4.12	Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification.	per bag of cement of 50 kg	70	51.03	3,572.10



Item No	DSR 2021 Code No.	Description of items	Unit	Quantity	Rate As Per DSR 2021, Excl. GST(Rs.)	Amount (Rs.)
14	4.17	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement: 3 coarse sand (zone-III) derived from natural sources: 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	sqm	170	608.62	1,03,465.40
15	5.9	Centering and shuttering including strutting, propping etc. and removal of form for				
	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	sqm	1352	274.96	3,71,745.92
	5.9.2	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	sqm	1352	597.81	8,08,239.12
	5.9.3	Suspended floors, roofs, landings, balconies and access platform	sqm	1114	684.42	7,62,443.88
	5.9.4	Shelves (Cast in situ)	sqm	140	684.42	95,818.80
	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	sqm	2250	543.17	12,22,132.50
	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	sqm	1010	718.08	7,25,260.90
	5.9.7	Stairs, (excluding landings) except spiral-staircases	sqm	40	587.28	23,491.20
	5.9.16	Edges of slabs and breaks in floors and walls				
	5.9.16.1	Under 20 cm wide	metre	560	162.41	90,949.60
16	5.11	Extra for additional height in centering, shuttering where ever required with adequate bracing, propping etc., including cost of de-shuttering and decentering at all levels, over a height of 3.5 m, for every additional height of 1 metre or part thereof (Plan area to be measured).				
17	5.11.1	Suspended floors, roofs, landing, beams and balconies (Plan area to be measured)	sqm	50	285.04	14,252.00
	5.23	Smooth finishing of the exposed surface of R.C.C. work with 6 mm thick cement mortar 1:3 (1 Cement : 3 fine sand).	Sqm	3020	225.94	6,82,338.90
18	5.29	Providing and fixing sheet covering over expansion joints with iron screws as per design.				
	5.29.2	Aluminium fluted strips 3.15 mm thick.				
19	5.29.2.1	150 mm wide	metre	122	460.54	56,185.98
	5.33.2	All works above plinth level upto floor V level	Cum	309	9,201.96	28,43,405.64
20	5.33.2.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	Quintal	1200	614.69	7,37,628.00
	5.35	Add for using extra cement in the items of design mix over and above the specified cement content therein.				
Total Cost as per DSR 2021(Rs.)= 1,08,63,784.68						
Add Price Escalation @ 11.01%= 11,96,102.63						
Total Estimated cost of Schedule I B(Rs.)= 1,20,59,887.37						
SCHEDULE - I C:- MASONRY WORK						
21	6.32	Brick work with clay flyash F.P.S. (non modular) brick of class designation 7.5 in superstructure above plinth level up to floor five level in :				
22	6.32.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	93	7,313.30	6,80,135.90
	6.34	Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in super structure above plinth level up to floor V level in :				
23	6.34.2	Cement mortar 1:6 (1 cement : 6 Coarse sand)	Cum	543	6,553.84	37,21,635.12
	6.12	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in :				
24	6.12.2	Cement mortar 1:4 (1 cement : 4 coarse sand)	sqm	280	748.08	2,09,462.40
	6.45	Half brick masonry with non modular fly ash bricks of class designation 10, conforming to IS :12894, in super structure above plinth and upto floor V level				
25	6.45.2	Cement mortar 1:4 (1 cement :4 coarse sand)	sqm	100	865.76	86,576.00
	6.15	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	sqm	370	77.19	28,560.30
Total Cost as per DSR 2021 47,26,370.72						
Add Price Escalation @ 11.01%= 5,20,373.42						
Total Estimated Cost of Schedule I-C(Rs.)= 52,46,744.14						
SCHEDULE-I D:-FINISHING						



Item No	DSR 2021 Code No.	Description of items	Unit	Quantity	Rate As Per DSR 2021, (Excl. GST (Rs.))	Amount (Rs.)
26	8.31	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete	sqm	100	949.51	94,951.00
27	11.3	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.				
	11.3.1	40 mm thick with 20 mm nominal size stone aggregate	sqm	100	486.61	48,661.00
28	11.6	Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement.				
	11.6.1	18 mm thick	sqm	200	509.60	1,01,920.00
	11.21	Providing and fixing 10 mm thick acid and/or alkali resistant tiles of approved make and colour using acid and/or alkali resisting mortar bedding, and joints filled with acid and/or alkali resisting cement as per IS: 4457, complete as per the direction of Engineer-in-Charge.				
29	11.21.1	In flooring on a bed of 10 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand)				
	11.21.1.1	Acid and alkali resistant tile	Sqm	122	1,353.08	1,65,075.76
	11.21.2	In dado/skirting on 12 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand)				
	11.21.2.1	Acid and alkali resistant tile	Sqm	337	1,462.23	4,92,771.51
30	11.37	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS: 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	sqm	112	835.36	93,560.32
	11.37A	Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS: 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	sqm	275	837.95	2,30,436.25
31	11.41	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.				
	11.41.2	Size of Tile 600x600 mm	sqm	1200	1,264.87	15,17,844.00
32	11.46	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete.				
	11.46.2	Size of Tile 600x600 mm	sqm	350	1,309.38	4,58,283.00
		CEMENT PLASTER (IN FINE SAND)				
33	12.41	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS: 13592 Type A, including jointing with seal ring conforming to IS: 5382, leaving 10 mm gap for thermal expansion, (I) Single socketed pipes.				
	12.41.2	110 mm diameter	metre	150	285.49	42,823.50
34	12.43	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.				
	12.43.2	110 mm	each	150	276.34	41,451.00
35	13.1	12 mm cement plaster of mix :				
	13.1.2	1:6 (1 cement: 6 fine sand)	sqm	832	251.79	2,09,489.28
36	13.2	15 mm cement plaster on the rough side of single or half brick wall of mix:				
	13.2.2	1:6 (1 cement: 6 fine sand)	sqm	1100	289.55	3,18,505.00



Item No	DSR 2021 Code No.	Description of items	Unit	Quantity	Rate As Per DSR 2021, Excl. GST (Rs.)	Amount (Rs.)
37	13.21	Extra for providing and mixing water proofing material in cement plaster work in proportion recommended by the manufacturers.	per bag of cement	250	54.06	13,515.00
38	13.26	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	sqm	1800	191.34	3,44,412.00
39	13.37	White washing with lime to give an even shade :	sqm	4001	28.97	1,15,908.97
40	13.37.1	New work (three or more coats)	sqm	6470	39.51	2,55,629.70
41	13.39	Colour washing such as green, blue or buff to give an even shade :	sqm	5500	145.13	7,98,215.00
42	13.41	New work (two or more coats) with a base coat of white washing with lime	sqm	8800	57.54	5,06,352.00
43	13.43	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade :	sqm	2500	87.14	2,17,850.00
44	13.43.1	New work (two or more coats) over and including water thinnable priming coat with cement primer	sqm			
45	13.44	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :	sqm			
46	13.44.1	Water thinnable cement primer	sqm			
47	13.62	Finishing walls with water proofing cement paint of required shade :	sqm			
48	13.62.1	New work (Two or more coats applied @ 3.84 kg/10 sqm)	sqm			
49	17.2	Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :	sqm			
50	17.2.1	New work (two or more coats) including a coat of approved steel primer but excluding a coat of mordant solution	sqm	100	134.11	13,411.00
51	17.7	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :	each	10	4,945.92	49,459.20
52	17.7.4	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :	each	10	1,499.64	14,996.40
53	17.28	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.	each	62	93.17	5,776.54
54	17.28.2.1	Flexible pipe	each	12	290.27	3,483.24
55	17.70	Providing and fixing PTMT Bottle Trap for Wash basin and sink.	each	5	25,026.03	1,25,130.15
56	17.70.1	Bottle trap 31mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms	each			
57	19.32	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design.	each			
58	19.32.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each			
59	21.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :				
60	21.1.1.1	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	358	387.46	99,964.68
61	21.3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge				



Item No	DSR 2021 Code No.	Description of items	Unit	Quantity	Rate As Per DSR 2021, Excl. GST (Rs.)	Amount (Rs.)
53	21.3.1	With float glass panes of 4.0 mm thickness (weight not less than 10kg/sqm)				
	9.100	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :	sqm	26	910.54	23,674.04
	9.100.1	125 mm	each	20	53.62	1,072.40
54	22.5	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : (a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours. (b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	sqm	150	461.25	69,187.50
55	22.7	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: (a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS: 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. (b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs. (c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge. (d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test."All above operations to be done in order and as directed and specified by the Engineer-in-Charge :	sqm	1500	1,359.78	20,39,665.18
	22.7.1	With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	sqm	1500	1,359.78	20,39,665.18
					Total Cost as per DSR 2021=	85,30,573.82
					Add Price Escalation @ 11.01%	9,39,216.16
					Total Estimated Cost of Schedule I D(Rs.)=	94,69,789.77

SCHEDULE- I E:- WATER SUPPLY

56	18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc				
56	18.8.1	15 mm nominal dia Pipes	metre	65	393.88	25,602.20
	18.8.2	20 mm nominal dia Pipes	metre	45	458.71	20,641.95
	18.8.3	25 mm nominal dia Pipes	metre	32	558.97	17,887.04
57	18.15	Providing and fixing brass bib cock of approved quality :	each	15	271.29	4,069.35
58	18.15.1	15 mm nominal bore	each	15	271.29	4,069.35
	18.16	Providing and fixing brass stop cock of approved quality :	each	15	271.29	4,069.35
	18.16.1	15 mm nominal bore	each	15	271.29	4,069.35
59	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality :	each	15	475.31	7,129.65
	18.17.1	25 mm nominal bore	each	15	412.28	6,184.20
	18.17.1A	20 mm nominal bore	each	15	412.28	6,184.20



Item No	DSR 2021 Code No.	Description of Items	Unit	Quantity	Rate As Per DSR 2021, Excl. GST (Rs.)	Amount (Rs.)
60	18.19	Providing and fixing gun metal non-return valve of approved quality (screwed and) :				
	18.19.1	25 mm nominal bore				
	18.19.1.1	Horizontal				
61	18.19.1.2	Vertical	each	10	452.37	4,523.70
	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	each	10	512.05	5,120.50
	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :	per litre	2000	8.66	17,320.00
62	18.49.1	15 mm nominal bore				
	23.2	Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/ bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer-in-charge, beyond 90 metre & upto 150 metre depth below ground level.	each	20	337.63	7,753.60
	23.2.1.1	All types of soil - 300 mm dia				
63	23.2.2.1	Rocky strata including Boulders - 300 mm dia	metre	250	616.70	1,54,175.00
	23.4	Supplying, assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) pipes with ribs, conforming to IS: 12818, including hire & labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge	metre	500	1,394.38	6,97,190.00
	23.4.3	200 mm nominal size dia				
Total Estimated Cost of Schedule 1 E (Rs.)=						
Total Cost as per DSR 2021=						
Add Price Escalation @ 11.01%						
13,51,029.49						

SCHEDULE - I F:- SUPPLY OF REINFORCEMENT STEEL						
65	5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete below plinth level.				
	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	29777	80.04	23,83,351.08
	5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
66	5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	22789	80.04	18,24,031.56
	10.5	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.				
	10.5.1	Using M.S. angles 40x40x6 mm for diagonal braces				
67	10.26.1	M.S. tube	sqm	235	4,268.88	10,03,186.80
	9.48	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.	kg	1000	140.31	1,40,310.00
	9.48.1	Fixed to steel windows by welding				
68	10.13	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints miltred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.	kg	1220	151.61	1,97,164.20
	10.13.1	Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).				
	CPWD DSR 2021	Any Other items not covered under Schedule- I & Schedule-II but may be required to be executed as per CPWD DSR 2021. (Note :- During the payment of rate for the executed items of CPWD DSR-2021 under the item no 53 of Schedule II, the following procedure should be adopted. For Example, if the of individual items of CPWD DSR 2021 = x, the rate for the payment will be considered = (x / 112 X 100) (Without GST). The GST will be paid separately)	L.S.	1	50,00,000.00	50,00,000.00
Total Estimated Cost of Schedule I F (Rs.)=						
Total Cost as per DSR 2021 (Rs.)=						
Add Price Escalation @ 11.01%						
1,05,73,636.14						
11,64,157.34						
1,17,37,793.48						



Item No	DSR 2021 Code No.	Description of items	Unit	Quantity	Rate As Per DSR 2021, Excl. GST(Rs.)	Amount (Rs.)
Schedule -II (Granular filling)						
Item No	DSR 2021 Code No.	DESCRIPTION OF ITEMS	Unit	Quantity	Rate As Per DSR 2021, Excl. GST(Rs.)	Amount (Rs.)
1	16.78	Construction of granular sub-base by providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge				
	16.78.3	With material conforming to Grade-III (size range 26.5 mm to 0.075 mm) having CBR Value-20	Cum	1600	2332.99	3732784.00
	20.4		each	0	1948.75	0.00
(a)	20.4.1		Total Cost as per DSR 2021 Schedule II (Rs.)=			3732784.00
			Add Price Escallation @ 11.01%			410979.52
			Total Estimated Cost of Schedule-II (Rs.)=			41,43,763.52
SCHEDULE III :- SUPPLY VEHICLE						
Item No		DESCRIPTION OF ITEMS	Unit	Quantity	Rate , Excl. GST(Rs.)	Amount (Rs.)
1		Provision of dedicated Passenger vehicles like Tata Sumo, Bolero, Scorpio or Similar SUV for movement of IRCON Engineers on Project site. The above shall include cost of driver,fuel mobile etc. with availability as per IRCON Engineer requirement.	Per Km	96000	23.01	22,08,960.00
			Total Estimated Cost of Schedule- III (Rs.)=			22,08,960.00
			Total Schedule Amount-I, II & III (Excluding GST) =			4,96,30,472.85
			Deduct Contract Deduction @ 11 % below as Quoted by Bidder =			54,59,352.01
			Total amount after contract deduction =			4,41,71,120.84
			Add GST @ 18% =			79,50,801.75
			Gross Amount After GST =			5,21,21,922.59



Signature Not Verified

Digitally signed by HIMANISHU KUMAR
Date: 2024.10.09 15:58:44 IST
Location: eProcurement System for Central PSUs