



इरकॉन इन्टरनेशनल लिमिटेड

नवरत्न कम्पनी
(भारत सरकार का उपक्रम)

IRCON INTERNATIONAL LIMITED

NAVRATNA COMPANY
(A Govt. of India Undertaking)



SIVOK - RANGPO NEW BG RAIL LINE PROJECT

Project Office : Block - C, 2nd Floor, P.C. Mittal Bus Terminus, P.O. Sevoke Road, Siliguri - 734001
Dist. Darjeeling (W.B.), Tel. No. 0353-2999659, E-mail : 2046.nfr-srrp@ircon.org

(Letter of Acceptance)

NO. IRCON/2046/NFR-SRRP/Misc. Civil/Sivok/257/ 9623

Date: 19/07/2024

To,

M/s Narayan Kumar Infrastructure Pvt. Ltd.,

1, Crooked Lane, Room No. 205,

2nd Floor, Kolkata-700069

E-mail: tenders@nkinfrastructure.in

Mobile No. +91 9830378285

Sub: Construction of Electrical sub-station (ESS), Tower wagon shed (TWS), OHE/PSI depot, Staff quarters, Pump houses, Over Head Tank and other ancillary works in connection with Sivok-Rangpo New BG rail Line Project- **Letter of Acceptance**

Ref: 01. NIT No. IRCON/2046/ NFR-SRRP/Misc. Civil/Sivok/257 dated 13.06.2024

02. Corrigendum No. 01 dated 24.06.2024.

03. Your Technical bid opened on dated 04.07.2024 and Financial bid opened on dated 13.07.2024

04. Your forwarding letter no. NIL dated 03.07.2024

With reference to above, this is to inform you that your offer for the subject work of "Construction of Electrical sub-station (ESS), Tower wagon shed (TWS), OHE/PSI depot, Staff quarters, Pump houses, Over Head Tank and other ancillary works in connection with Sivok-Rangpo New BG rail Line Project" has been accepted by Competent Authority at a total cost of Rs. 27,02,65,414.34/- including GST @ 18%. The summary of BOQ accepted by the competent authority is enclosed herewith.

1. SCOPE OF WORK:

The scope of work shall be read as mentioned under Clause No. 05 of Special Conditions of Contract.

2. PAYMENT TERMS:

The payment will be released as per clause no. 16 and 17 of Special Condition of Contract.

3. QUANTITY VARIATION

The quantities of items shown in the Bill of Quantities are approximate and liable to vary during the actual execution of the work. The Contractor shall be bound to carry out and complete the stipulated work, irrespective of the variations in individual items, specified in the Bill of

Quantities. Such variations in quantities shall be paid for in the manner laid down under clause no. 42 of Indian Railway GCC April 2022 (up to date advance correction slip 06) and as mentioned in the clause no. 41 of SCC of tender document.

4. Taxes and duties:

The quoted rates shall include all the taxes, duties etc. income tax and Trade Tax on works contract shall be deducted from the payments to the contractors as per prevailing tariff for which necessary TDS Certificate shall be issued. The taxes and duties shall be dealt under clause no. 18 of SCC.

5. Completion Period

The work is required to be completed within a continuous period of **15 months** including monsoon period from the date of issue of letter of acceptance as per the clause no. 06 of SCC. The work has to be executed in co-ordination with other agencies working on or near the project.

6. Defect liability period:

Defect liability Period shall be dealt as per clause no. 43 of SCC. You have to 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 the certified date of completion. However, maintenance during Defect Liability Period shall not include day to day upkeep, cleaning, custody and security of the work. Any defect arising due to defective construction / material / workmanship in any structure(s) during the period(s) specified above and due to causes enumerated above, the contractor shall rectify the same at no extra cost.

7. Insurance:

As per the clause no. 29 of SCC, the agency has to obtain contractors All Risk policy for the works in the joint name of IRCON & agency and other policies to be obtained by the agency as stipulated in tender document.

8. Performance Security & Retention money:

Performance Security & Retention money shall be dealt as per clause no. 21 of SCC.

As per sub-clause no. 21.1 of SCC, **Performance Security of Rs. 1,76,12,890/- (Rupees One Crore Seventy-Six Lakh Twelve Thousand Eight Hundred Ninety Only) [@ 5% of Contract value i.e. Rs. 1,35,13,271/- and @ 1.325% of Tender Cost is Rs. 40,99,619/-]** is to be submitted within 21 days from date of issue of Letter of Acceptance.

9. Contract Agreement:

In terms of clause no. 25 of Special Condition of Contract, you will enter into and execute the contract agreement within 28 days from the date of issue of this letter.

10. All the terms & condition will remain same as per tender document. This letter of acceptance along with your submitted offer shall constitute a legal and binding contract between IRCON International Limited and M/s Narayan Kumar Infrastructure Pvt. Ltd., till such time the formal contract agreement is signed.

11. Conditions mentioned above in this LOA are a brief reference of the terms of Tender document. Detailed Terms & conditions other than above shall also be as per NIT / Tender document & corrigendum, which shall be an integral part of this contract and shall be binding on you.

This letter of acceptance is being sent in duplicate. One copy may please be signed, stamped and returned to this office as a token of your unconditional acceptance.

Thanking You,

Encl: Bill of Quantity

For & on behalf of
IRCON International Limited



19/12/24

(P. Purkayastha)
Chief General Manager/PH/Sivok

Copy to:

1. PD/SRRP - for kind information please.
2. GM/PH/Sivok-I - for kind information please.
3. GM/Fin/SRRP - for kind information please.

Prasenjit Purkayastha
मुख्य महाप्रबंधक / Chief General Manager/PH Sivok
इरकॉन इंटरनेशनल लिमिटेड
IRCON INTERNATIONAL LTD.
सेवक रंगपो नई बड़ी रेल लाइन परियोजना
Sivok Rangpo New BG Rail Line Project

Percentage BOQ

Tender Inviting Authority: Chief General Manager/Project Head/Sivok, IRCON International Limited

Name of Work: Construction of Electrical sub-station (ESS), Tower wagon shed (TWS), ONE/PSI depot, Staff quarters, Pump houses, Over Head Tank and other ancillary works in connection with Sivok-Rangpo New BG Rail Line Project

Contract No: IRCON2024/ENR-SRSP-Misc CWS/Slvok/257 Dated 13/06/2024

Name of the Bidder/ Bidding Firm / Company :

NARAYAN KUMAR INFRASTRUCTURE PRIVATE LIMITED

PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

Sl. No.	NUMBER #	TEXT #	Item Description	NUMBER #	Quantity	TEXT #	Units	NUMBER	Estimated Rate in Rs.	NUMBER	Total Amount Without GST in Rs.	NUMBER	GST 18%	NUMBER	TOTAL AMOUNT With GST in Rs.	NUMBER #	TOTAL AMOUNT In Words	TEXT #
1		2		3	4	5		6		7		8		9		10		11
1.01			Schedule - A SOR Earth Work	1.00	Nos			11303979.80			11303979.80		2035676.35		13344656.15		INR One Crore Thirty Three Lakh Forty Four Thousand Five Hundred & Ninety Six and Paise Sixteen Only	
1.02			Schedule - B SOR Concrete Work	1.00	Nos			57484647.00			57484647.00		10347235.45		67831683.45		INR Six Crore Seventy Eight Lakh Thirty One Thousand Eight Hundred & Eighty Three and Paise Forty Six Only	
1.03			Schedule - C SOR Masonry and Cladding Work	1.00	Nos			16300155.70			16300155.70		3024028.03		19324183.73		INR One Crore Ninety Eight Lakh Twenty Four Thousand One Hundred & Eighty Three and Paise Sixteen Only	
1.04			Schedule - D SOR Door and Window Works	1.00	Nos			4155034.28			4155034.28		747605.17		4802640.45		INR Forty Nine Lakh Two Thousand Nine Hundred & Forty and Paise Forty Five Only	
1.05			Schedule - E SOR Steel work	1.00	Nos			16389957.50			16389957.50		3550192.35		23470149.85		INR Two Crore Thirty Four Lakh Seventy Thousand One Hundred & Forty Nine and Paise Eighty Five Only	
1.06			Schedule - E1 NON - SOR Reinforcement Steel Work	1.00	Nos			46445030.00			46445030.00		8500114.40		54945144.40		INR Five Crore Eighty Three Lakh Forty Five Thousand One Hundred & Ninety Four and Paise Forty Only	
1.07			Schedule - F SOR Flooring Work	1.00	Nos			5760472.10			5760472.10		140454.95		6320957.05		INR Sixty Eight Lakh Twenty Thousand Nine Hundred & Fifty Seven and Paise Eight Only	
1.08			Schedule - G SOR Roofing Work	1.00	Nos			1432879.65			1432879.65		257518.34		1690797.99		INR Sixteen Lakh Ninety Thousand Seven Hundred & Ninety Seven and Paise Ninety Nine Only	
1.09			Schedule - H SOR Finishing Work	1.00	Nos			8368577.20			8368577.20		1506351.10		9874968.30		INR Ninety Eight Lakh Seventy Four Thousand Nine Hundred & Sixty Eight and Paise Thirty Only	
1.1			Schedule - I SOR Road and Track Work	1.00	Nos			34363851.45			34363851.45		6185493.26		40549344.71		INR Four Crore Five Lakh Forty Nine Thousand Three Hundred & Forty Four and Paise Seventy One Only	
1.11			Schedule - J NON - SOR Other Track And Civil Works	1.00	Nos			6246051.78			6246051.78		1124289.32		7370341.10		INR Seventy Three Lakh Seventy Thousand Three Hundred & Forty One and Paise Ten Only	
1.12			Schedule - K SOR Water supply and Sanitary Work	1.00	Nos			2012255.67			2012255.67		362206.02		2374461.69		INR Twenty Three Lakh Seventy Four Thousand Four Hundred & Sixty One and Paise Sixty Nine Only	
1.13			Schedule - L SOR Electrification Works	1.00	Nos			2447024.74			2447024.74		440464.45		2887489.19		INR Twenty Eight Lakh Eighty Seven Thousand Four Hundred & Eighty Nine and Paise Nineteen Only	
1.14			Schedule - M NON - SOR Other Electrification Works	1.00	Nos			12472762.71			12472762.71		2245527.29		14717850.00		INR One Crore Forty Seven Lakh Seventeen Thousand Eight Hundred & Sixty Only	
1.15			Schedule - N SOR Any other item not covered above shall be done under DSR-2023 for civil works, NFR USSOR-2021 for P-Way Lining/track works and DSR(E&M)-2022 for electrical works (excluding GST).	1.00	Nos			30000000.00			30000000.00		5400000.00		35400000.00		INR Three Crore Fifty Four Lakh Only	
Total in Figures															309405168.11		INR Thirty Crore Ninety Four Lakh Five Thousand One Hundred & Sixty Eight and Paise Eleven Only	
Quoted Rate in Figures															27026544.34		INR Twenty Seven Crore Two Lakh Sixty Five Thousand Four Hundred & Fourteen and Paise Thirty Four Only	
Quoted Rate in Words																		

प्रमाणित/Chief General Manager/Sivok
Prasenjit Ukayashra
 IRCON INTERNATIONAL LTD.
 1000 New BG Rail Line Project

Bill Of Quantity (Revised)

Tender inviting authority: Chief General Manager/Project Head/Sivok, IRCON International Limited

Name of work: "Construction of Electrical sub-station (ESS), Tower wagon shed (TWS), OHE/PSI depot, Staff quarters, Pump houses, Over Head Tank and other ancillary works in connection with Sivok-Rangpo New BG rail Line Project."

e-tender no. : IRCON/2046/NFR-SRRP/Misc Civil/Sivok/257 dated 13.06.2024

Sl. No.	SOR / NON SOR	Schedule	Details	Amount (in Rs.)
1	SOR	Schedule-A	Earth Work	1,13,08,979.80
2	SOR	Schedule-B	Concrete Work	5,74,84,647.00
3	SOR	Schedule-C	Masonry and Cladding Work	1,68,00,155.70
4	SOR	Schedule-D	Door and Window Works	41,55,034.28
5	SOR	Schedule-E	Steel work	1,98,89,957.50
6	NON SOR	Schedule-E1	Reinforcement Steel Work	4,94,45,080.00
7	SOR	Schedule-F	Flooring Work	57,80,472.10
8	SOR	Schedule-G	Roofing Work	14,32,879.65
9	SOR	Schedule-H	Finishing Work	83,68,617.20
10	SOR	Schedule-I	Road and Track Work	3,43,63,851.45
11	NON SOR	Schedule-J	Other Track And Civil Works	62,46,051.78
12	SOR	Schedule-K	Water supply and Sanitary Work	20,12,255.67
13	SOR	Schedule-L	Electrification Works	24,47,024.74
14	NON SOR	Schedule-M	Other Electrification Works	1,24,72,762.71
15	SOR	Schedule-N	Any other item not covered above shall be done under DSR-2023 for civil works, NFR USSOR-2021 for P-Way Linking/track works and DSR(E&M)-2022 for electrical works (excluding GST)	3,00,00,000.00
Estimated Cost without GST (in Rs.)				26,22,07,769.58
Add GST @18% (in Rs.)				4,71,97,398.52
Total Estimated Cost with GST (in Rs.)				30,94,05,168.11


प्रसेनजित पुरकायस्था
Prasenjit Purkayastha
मुख्य महाप्रबंधक / Chief General Manager/PH-Sivok
इरकॉन इंटरनेशनल लिमिटेड
IRCON INTERNATIONAL LTD.
सेवक रेंगपो नई बड़ी रेल लाइन परियोजना
Sivok Rangpo New BG Rail Line Project

Sl. No.	SOR / NON-SOR	Description of work	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
Schedule-A		Earth Work				
A.1	DSR 2023 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 for all lifts, as directed by Engineer-in charge.				
A.1.1	DSR 2023 2.6.1	All kinds of soil	cum	9,040	146.37	13,23,184.80
A.2	DSR 2023 2.7	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.				
A.2.1	DSR-2023 2.7.1	Ordinary Rock	cum	2,160	411.40	8,88,624.00
A.3	DSR-2023 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, for all lift, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
A.3.1	DSR-2023 2.8.1	All kinds of soil.	cum	3,680	214.65	7,89,912.00
A.4	DSR-2023 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 for all lift.	cum	8,640	161.62	13,96,396.80
A.5	DSR-2023 2.25(a)	Excavating, supplying, stacking and filling of local earth (including royalty) by mechanical transport upto a lead of 5km, also including ramming and watering of the earth in layers not exceeding 20 cm in foundation trenches, plinth, sides of foundation etc. complete for all lift.	cum	1,360	577.64	7,85,590.40
A.6	DSR-2023 2.26	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials.				
A.6.1	DSR-2023 2.26.1	All kind of soil.	cum	2,880	104.56	3,01,132.80
A.7	DSR-2023 2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	cum	3,300	1,751.26	57,79,158.00
A.8	DSR-2023 2.31	Clearing 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	3,100	14.51	44,981.00
Sub Total Amount (Schedule-A)						1,13,08,979.80
Schedule-B		Concrete Work				
B.1	DSR-2023 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 :				
B.1.1	DSR-2023 4.1.2	1:1½:3 (1 cement : 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	130	6,877.92	8,94,129.60
B.1.2	DSR-2023 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	810	6,496.66	52,62,294.60
B.1.3	DSR-2023 4.1.6	1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 40 mm nominal size derived from natural sources)	cum	290	5,919.64	17,16,695.60
B.2	DSR-2023 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	2,010	338.79	6,80,967.90
B.3	DSR-2023 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 50 kg cement used	580	14.97	8,682.60
B.4	DSR-2023 5.9	Centering and shuttering including strutting, propping etc. and removal of form for				
B.4.1	DSR-2023 5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	sqm	3,350	323.37	10,83,289.50
B.4.2	DSR-2023 5.9.2	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	sqm	8,880	694.73	61,69,202.40


Prasenjit Purkayastha
 मुख्य महाप्रबंधक / Chief General Manager/PH-Sivok
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 Sivok Rangpo New BG Rail Line Project

Sl. No.	SOR / NON-SOR	Description of work	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
B.4.3	DSR-2023 5.9.3	Suspended floors, roofs, landings, balconies and access platform	sqm	3,160	764.62	24,16,199.20
B.4.4	DSR-2023 5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	sqm	3,930	607.24	23,86,453.20
B.4.5	DSR-2023 5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	sqm	2,550	792.69	20,21,359.50
B.4.6	DSR-2023 5.9.7	Stairs, (excluding landings) except spiral-staircases	sqm	200	630.78	1,26,156.00
B.4.7	DSR-2023 5.9.16	Edges of slabs and breaks in floors and walls				
B.4.7.1	DSR-2023 5.9.16.1	Under 20 cm wide	metre	310	171.97	53,310.70
B.4.8	DSR-2023 5.9.19	Weather shade, Chajjas, corbels etc., including edges	sqm	120	784.28	94,113.60
B.5	DSR-2023 5.11.1	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 3.5m, for every additional height of 1m or part thereof (Plan area to be measured) : suspended floors, roofs, landings, beams and balconis (Plan area to be measured)	sqm	600	316.90	1,90,140.00
B.6	DSR-2023 5.16	Providing, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete in shelves, including setting in cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering and finishing with neat cement punning on exposed surfaces but, excluding the cost of reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources: 3 graded stone aggregate 20 mm nominal size).	cum	10	16,785.52	1,67,855.20
B.7	DSR-2023 5.18	Providing precast cement concrete Jali 1:2:4 (1 cement : 2 coarse sand(zone-III) : 4 graded stone aggregate 6mm nominal size), reinforced with 1.6 mm dia mild steel wire, including centering and shuttering, roughening cleaning, fixing and finishing in cement mortar 1:3 (1 cement: 3 fine sand) etc. complete, excluding plastering of the jambs, sills and soffits.				
B.7.1	DSR-2023 5.18.1	50 mm thick	sqm	50	1,555.95	77,797.50
B.8	DSR-2023 5.33	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work, using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads, but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge, for the following grades of concrete.: Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.				
B.8.1	DSR-2023 5.33.1	All works upto plinth level:				
B.8.1.1	DSR-2023 5.33.1.1	Concrete of M25 grade with minimum cement content of 330 kg/cum	cum	620	7,837.68	48,59,361.60
B.8.1.2	DSR-2023 5.33.1.2	Concrete of M30 grade with minimum cement content of 350 kg/cum	cum	2,030	7,962.15	1,61,63,164.50
B.8.2	DSR-2023 5.33.2	All works above plinth level upto floor V level:				
B.8.2.1	DSR-2023 5.33.2.1	Concrete of M25 grade with minimum cement content of 330 kg/cum	cum	560	8,130.95	45,53,332.00
B.8.2.2	DSR-2023 5.33.2.2	Concrete of M30 grade with minimum cement content of 350 kg/cum	cum	940	8,255.42	77,60,094.80
B.9	DSR-2023 5.38	Extra for R.C.C./B.M.C/R.M.C. work above floor V level for each four floors or part thereof	Cum	40	293.27	11,730.80
B.10	DSR-2023 5.35	Add for using extra cement in the items of desing mix over and above the specified cement content therein.	quintal	1,080	604.85	6,53,238.00


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 Sivok Rangpo New BG Rail Line Project

Sl. No.	SOR / NON-SOR	Description of work	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
B.11	DSR-2023 5.41.1	Supplying and applying pre tested and approved water based concrete curing compound to concrete/masonry surface, all as per manufacturer's specification and direction of Engineer-in-charge. -Non pigmented wet curing compound	sqm	840	56.94	47,829.60
B.12	USSOR-2021 025070	Supply and using Cement at Worksite				
B.12.1	USSOR-2021 025073	Pozzolana Portland Cement approved brands/makes	MT	10	8,724.86	87,248.60
Sub Total Amount (Schedule-B)						5,74,84,647.00
Schedule-C	Masonry and Cladding Work					
C.1	DSR-2023 6.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
C.1.1	DSR-2023 6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	100	5,881.30	5,88,130.00
C.2	DSR-2023 6.32	Brick work with clay flyash F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor five level in:				
C.2.1	DSR-2023 6.32.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	130	7,499.84	9,74,979.20
C.3	DSR-2023 6.47	Providing and laying Autoclaved Aerated Concrete (AAC) blocks masonry with 150mm to 300 mm thick with Grade-I AAC blocks of density 551 to 650 kg/cum conforming to IS: 2185 (Part 3) in super structure above plinth level up to floor V level with RCC band at sill level and lintel level with approved block laying polymer modified adhesive mortar all complete as per direction of Engineer-in-charge. (The payment of RCC band and reinforcement shall be made for separately).	cum	1,620	6,871.98	1,11,32,607.60
C.4	DSR-2023 7.1	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20mm nominal size) upto plinth level with:				
C.4.1	DSR-2023 7.1.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	160	6,028.90	9,64,624.00
C.5	DSR-2023 7.2	Random rubble masonry with hard stone in superstructure above plinth level and upto floor five level, including leveling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) at window sills, ceiling level and the like.				
C.5.1	DSR-2023 7.2.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	110	7,648.59	8,41,344.90
C.6	DSR-2023 8.2	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.				
C.6.1	DSR-2023 8.2.2	Granite stone slab of colour black, Cherry/Ruby red				
C.6.1.1	DSR-2023 8.2.2.1	Area of slab upto 0.50 sqm	sqm	115	4,464.01	5,13,361.15
C.6.1.2	DSR-2023 8.2.2.2	Area of slab over 0.50 sqm	sqm	95	4,235.43	4,02,365.85
C.7	DSR-2023 8.3	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge				
C.7.1	DSR-2023 8.3.2	Granite work	metre	620	421.33	2,61,224.60
C.8	DSR-2023 8.4	Extra for fixing marble /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete.	metre	200	468.83	93,766.00


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Sl. No.	SOR / NON-SOR	Description of work	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
C 9	DSR-2023 8.5	Extra for providing opening of required size & shape for wash basin/kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete	each	250	807.04	2,01,760.00
C 10	DSR-2023 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	790	1,045.56	8,25,992.40
Sub Total Amount (Schedule-C)						1,68,00,155.70
Schedule-D Door and Window Works						
D.1	DSR-2023 9.1	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately)				
D.1.1	DSR-2023 9.1.1	Second class teak wood	cum	12	1,17,877.22	14,14,526.64
D.2	DSR-2023 10.30	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with :				
D.2.1	DSR-2023 10.30.1	4.0 mm thick glass panes	sqm	45	877.92	39,506.40
D.3	DSR-2023 9.21	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part 1) non- decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneer with vertical grains or cross bands and face veneers on both faces of shutters:				
D.3.1	DSR-2023 9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	sqm	195	1,972.99	3,84,733.05
D.4	DSR-2023 9.47	Providing and fixing nickel plated M.S. pipe curtain rods with nickel plated bracket.				
D.4.1	DSR-2023 9.47.1	20 mm dia (heavy type)	meter	190	144.31	27,418.90
D.5	DSR-2023 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				
D.5.1	DSR-2023 9.48.2	Fixed to openings /wooden frames with rawl plugs screws etc.	kg	3,690	196.54	7,25,232.60
D.6	DSR-2023 9.63	Providing and fixing ISI marked oxidised M.S. tower bolt black finish,(Barrel type) with necessary screws etc. complete (Copper oxidised as per IS 1378):				
D.6.1	DSR-2023 9.63.1	250x10 mm	each	100	69.18	6,918.00
D.7	DSR-2023 9.83	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	each	10	927.56	9,275.60
D.8	DSR-2023 9.84	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	each	15	810.71	12,160.65
D.9	DSR-2023 9.97	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. Complete:				
D.9.1	DSR-2023 9.97.3	200x10 mm	each	30	82.21	2,466.30
D.9.2	DSR-2023 9.97.4	150x10 mm	each	60	68.07	4,084.20
D.9.3	DSR-2023 9.97.5	100x10 mm	each	70	53.35	3,734.50


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Sl. No.	SOR / NON-SOR	Description of work	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
D.10	DSR-2023 9.96	Providing & fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade A C 10 as per IS: 1868) transparent or dyed to required colour or shade with nuts and screws etc . complete :				
D.10.1	DSR-2023 9.96.2	250mmx16mm	each	20	214.89	4,297.80
D.11	DSR-2023 9.100	Providing and fixing aluminium handles, ISI marked, anodised (anodiccoating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. Complete:				
D.11.1	DSR-2023 9.100.1	125 mm	each	120	54.63	6,555.60
D.12	DSR-2023 9.101	Providing and fixing aluminium hanging floor door stopper, ISI marked anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour and shade with necessary screws etc. complete				
D.12.1	DSR-2023 9.101.1	Single Rubber stopper	each	110	32.65	3,591.50
D.12.2	DSR-2023 9.101.2	Twin Rubber stopper	each	20	59.66	1,193.20
D.13	DSR-2023 9.117	Providing and fixing factory made uPVC door frame made of uPVC extruded sections having an overall dimension as below (tolerance ± 1 mm), with wall thickness 2.0 mm (± 0.2 mm), corners of the door frame to be Jointed with galvanized brackets and stainless steel screws, joints mitred and Plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 X 19 mm and 1mm (± 0.1 mm) wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturer's specification and direction of Engineer in-charge				
D.13.1	DSR-2023 9.117.2	Extruded section profile size 42x50 mm	metre	112	273.23	30,601.76
D.14	DSR-2023 9.118	Providing and fixing to existing door frames.				
D.14.1	DSR-2023 9.118.1	24 mm thick factory made PVC door shutters made of styles and rails of a uPVC hollow section of size 59x24 mm and wall thickness 2 mm (± 0.2 mm) with inbuilt edging on both sides. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 20x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x24 mm and 2 mm (± 0.2 mm) wall thickness, fixed to the shutter styles by means of plastic/galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (± 0.1 mm) wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge. (For W.C. and bathroom door shutter)	sqm	48	2448.46	117526.08
D.15	DSR-2023 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) :				
D.15.1	DSR-2023 21.1.1	For fixed portion				
D.15.1.1	DSR-2023 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	1,220	408.22	4,98,028.40
D.15.2	DSR-2023 21.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately):				

Sl. No.	SOR / NON-SOR	Description of work	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
D.15.2.1	DSR-2023 21.1.2.1	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC-15)	kg	1,230	493.61	6,07,140.30
D.16	DSR-2023 21.3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge (Cost of aluminium snap headin shall be paid in basic item).				
D.16.1	DSR-2023 21.3.2	With float glass panes of 5 mm thickness (weight not less than 12.5 kg/sqm)	sqm	150	1,241.24	1,86,186.00
D.17	DSR-2023 21.4	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge.				
D.17.1	DSR-2023 21.4.1	With stainless steel cover plate minimum 1.25 mm thickness	each	30	2,328.56	69,856.80
Sub Total Amount (Schedule-D) Rs.						41,55,034.28
Schedule-E	Steel work					
E.1	DSR-2023 10.1	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	kg	54,470	96.77	52,71,061.90
E.2	DSR-2023 10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	kg	7,500	110.25	8,26,875.00
E.3	DSR-2023 10.3	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer	sqm	800	9,433.17	75,46,536.00
E.4	DSR-2023 10.6	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters.				
E.4.1	DSR-2023 10.6.1	80x1.25 mm M.S. laths with 1.25 mm thick top cover	sqm	88	3,012.45	2,65,095.60
E.4.2	DSR-2023 10.7	providing and fixing ball bearing for rolling shutters	each	20	405.99	8,119.80
E.5	DSR-2023 10.16	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc. including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete				
E.5.1	DSR-2023 10.16.1	Hot finished welded type tubes	kg	30,850	160.30	49,45,255.00
E.6	DSR-2023 10.17	Providing and fixing M.S. fan clamp type I or II of 16 mm dia M.S. bar, bent to shape with hooked ends in R.C.C. slabs or beams during laying, including painting the exposed portion of loop, all as per standard design complete.	each	50	186.36	9,318.00
E.7	DSR-2023 10.18	Providing and fixing circular/ Hexagonal cast iron or M.S. sheet box for ceiling fan clamp, of internal dia 140 mm, 73 mm height, top lid of 1.5 mm thick M.S. sheet with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron/ M.S. sheet box by means of 3.3 mm dia round headed screws, one lock at the corners. Clamp shall be made of 12 mm dia M.S. bar bent to shape as per standard drawing	each	20	181.95	3,639.00
E.8	DSR-2023 10.19	Providing and fixing mild steel round holding down bolts with nuts and washer plates complete.	kg	500	80.15	40,075.00
E.9	DSR-2023 10.20	Providing and fixing bolts including nuts and washers complete.	kg	500	131.40	65,700.00
E.10	DSR-2023 10.25	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				

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Sl. No.	SOR / NON-SOR	Description of work	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
E.10.1	DSR-2023 10.25.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	kg	2,480	142.33	3,52,978.40
E.11	DSR-2023 10.28	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i.e. fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	kg	700	636.93	4,45,851.00
E.12	DSR-2023 10.15	Providing and fixing M.S. Tubular frames for doors, windows, ventilators and cupboard with rectangular/ L-Type sections, made of 1.60 mm thick M.S. Sheet, joints mitred, welded and grinded finish, with profiles of required size, including fixing of necessary butt hinges and crews and applying a priming coat of approved steel primer.				
E.12.1	DSR-2023 10.15.1	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)	kg	680	160.96	1,09,452.80
Sub Total Schedule E (in Rs.)						1,98,89,957.50
Schedule-E1	Reinforcement Steel Work					
E1.1	NON-SOR	Supply of steel reinforcement of various diameters and grade i.e. Thermo-Mechanically Treated bars of grade Fe-500D or more at sites including all transportation and freight charges and all taxes, duties etc. with contractors men, material, tools & plants, equipments, machineries, testing, all lead & lifts, loading, unloading as per special conditions of contract and as directed by Engineer-in-Charge etc. Complete. Note:- Payment for supply of reinforcement steel shall be paid as per approved drawings and rates are inclusive all wastages.	kg	5,56,000	68.36	3,80,08,160.00
E1.2	NON-SOR	Cutting, straightening, hooking, bending, placing and binding in position reinforcement steel for all RCC works or for any other reinforcement steel works including supply and fixing of cover blocks whenever required as per approved drawings & specifications and as directed by Engineer-in-charge with contractors men, material, consumables, tools & plants, equipments, machineries, all lead & lifts, loading, unloading etc complete. The rate shall include cost of galvanised steel binding wire, handling, wastage etc.	kg	5,56,000	20.57	1,14,36,920.00
Sub Total Amount (Schedule-E1) Rs.						4,94,45,080.00
Schedule-F	Flooring Work					
F.1	DSR-2023 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.				
F.1.1	DSR-2023 11.3.1	40 mm thick with 20 mm nominal size stone aggregate	sqm	430	506.47	2,17,782.10
F.2	DSR-2023 11.4	52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.	sqm	1,070	806.84	8,63,318.80
F.3	DSR-2023 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.				
F.3.1	DSR-2023 11.6.1	18 mm thick	sqm	230	545.93	1,25,563.90
F.4	DSR-2023 11.7	Cement concrete pavement with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), complete.	cum	300	7,087.61	21,26,283.00
F.5	DSR-2023 11.20	Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand).				
F.5.1	DSR-2023 11.20.4	Ordinary cement without any pigment	sqm	110	871.07	95,817.70

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F.6	DSR-2023 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.				
F.6.1	DSR-2023 11.21.1.1	In flooring on a bed of 10 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand); Acid and alkali resistant tile	sqm	170	1,433.29	2,43,659.30
F.6.2	DSR-2023 11.21.2.1	In dado/skirting on 12 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand); Acid and alkali resistant tile	sqm	70	1,554.30	1,08,801.00
F.7	DSR-2023 11.23	Marble stone flooring with 18 mm thick marble stone, as per sample of marble approved by Engineer-in-charge, over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry, including rubbing and polishing complete with :				
F.7.1	DSR-2023 11.23.2	Raj Nagar plain	sqm	150	1,935.19	2,90,278.50
F.8	DSR-2023 11.39	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement: 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/sqm including grouting the joints with white cement and matching pigments etc., complete.	sqm	180	1,096.73	1,97,411.40
F.9	DSR-2023 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.				
F.9.1	DSR-2023 11.41.2	Size of Tile 600x600 mm	sqm	1,180	1,280.98	15,11,556.40
Sub Total Schedule F (in Rs.)						57,80,472.10
Schedule-G	Roofing Work					
G.1	DSR-2023 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.				
G.1.1	DSR-2023 12.41.1	75 mm diameter	metre	200	205.16	41,032.00
G.1.2	DSR-2023 12.41.2	110 mm diameter	metre	330	311.21	1,02,699.30
G.2	DSR-2023 12.42	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for 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.				
G.2.1	DSR-2023 12.42.2	Single pushfit Coupler				
G.2.1.1	DSR-2023 12.42.2.1	75 mm	each	15	76.77	1,151.55
G.2.1.2	DSR-2023 12.42.2.2	110 mm	each	35	105.22	3,682.70
G.2.2	DSR-2023 12.42.3	Single tee with door				
G.2.2.1	DSR-2023 12.42.3.1	75x75x75 mm	each	15	135.40	2,031.00
G.2.2.2	DSR-2023 12.42.3.2	110x110x110 mm	each	30	193.08	5,792.40
G.2.3	DSR-2023 12.42.5	Bend 87.5°				
G.2.3.1	DSR-2023 12.42.5.1	75 mm bend	each	15	87.33	1,309.95
G.2.3.2	DSR-2023 12.42.5.2	110 mm bend	each	35	123.98	4,339.30
G.2.4	DSR-2023 12.42.6	Shoe (plain)				
G.2.4.1	DSR-2023 12.42.6.1	75 mm shoe	each	15	76.77	1,151.55
G.2.4.2	DSR-2023 12.42.6.2	110 mm shoe	each	35	108.72	3,805.20


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Sl. No.	SOR / NON-SOR	Description of work	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
G.3	DSR-2023 12.50	Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-Charge) of total coated thickness 0.50 mm (base metal of minimum 0.45 mm thickness with total coating thickness of 0.05mm) with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required	sqm	1,440	609.10	8,77,104.00
G.4	DSR-2023 12.51	Providing and fixing pre-coated galvanised steel sheet roofing accessories of total coated thickness 0.50 mm (base metal of minimum 0.45 mm thickness with total coating thickness of 0.05 mm) with Zinc coating 120 gram per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete:				
G.4.1	DSR-2023 12.51.1	Ridges plain (500-600mm)	metre	170	438.98	74,626.60
G.4.2	DSR-2023 12.51.6	Gutter (600 mm over all girth)	metre	290	1,083.29	3,14,154.10
Sub Total Schedule G (in Rs.)						14,32,879.65
Schedule-H Finishing Work						
H.1	DSR-2023 13.1	12 mm cement plaster of mix :				
H.1.1	DSR-2023 13.1.1	1:4 (1 cement : 4 fine sand)	sqm	1,550	286.18	4,43,579.00
H.2	DSR-2023 13.4	12 mm cement plaster of mix :				
H.2.1	DSR-2023 13.4.1	1:4 (1 cement : 4 coarse sand)	sqm	1,440	294.67	4,24,324.80
H.3	DSR-2023 13.5	15 mm cement plaster on the rough side of single or half brick wall of mix				
H.3.1	DSR-2023 13.5.2	1:6 (1 cement : 6 coarse sand)	sqm	890	326.01	2,90,148.90
H.4	DSR-2023 13.16	6 mm cement plaster of mix:				
H.4.1	DSR-2023 13.16.1	1 : 3 (1 cement : 3 fine sand)	sqm	10,340	247.75	25,61,735.00
H.4.2	DSR-2023 13.18	Neat cement punning	sqm	240	65.93	15,823.20
H.5	DSR-2023 13.41	Distemping with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gram/litre, of approved manufacturer and of required shade and colour all complete to achieve even shade and colour:				
H.5.1	DSR-2023 13.41.1	new work (Two or more coats) over and including water thinnable priming coat with cement primer having VOC content less than 50 gram litre	sqm	6,430	153.09	9,84,368.70
H.6	DSR-2023 13.44.1	Finishing walls with water proofing cement paint of required shade: New work (Two or more coats applied @ 3.84 kg/10 sqm)	sqm	1,500	96.40	1,44,600.00
H.7	DSR-2023 13.46	Finishing walls with Acrylic Smooth exterior paint of required shade:				
H.7.1	DSR-2023 13.46.1	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 0.90kg/10 sqm)	sqm	6,290	132.43	8,32,984.70
H.8	DSR-2023 13.48	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications				
H.8.1	DSR-2023 13.48.1	Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of special primer applied @ 0.75 Ltr/10 Sqm.	sqm	2,270	159.73	3,62,587.10
H.8.2	DSR-2023 13.48.2	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.75 ltr/10 sqm of approved brand and manufacture	sqm	180	145.34	26,161.20

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Sl. No.	SOR / NON-SOR	Description of work	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
H.8.3	DSR-2023 13.48.3	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 lt/10 sqm over an under coat of primer applied @ 0.80 lt/10 sqm of approved brand and manufacture.	sqm	1,100	140.76	1,54,836.00
H.9	DSR-2023 13.50	Applying Priming Coat:				
H.9.1	DSR-2023 13.50.3	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron / steel works	sqm	720	55.58	40,017.60
H.10	DSR-2023 13.80	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	sqm	6,940	128.68	8,93,039.20
H.11	DSR-2023 5.30	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.	meter	720	64.65	46,548.00
H.12	DSR-2023 22.23	Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basement, water tanks, roof slabs, podiums, reservoir, sewage & water treatment plant, tunnels / subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI212-3R-2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineer-in-charge. The product performance shall carry guarantee for 10 years against any leakage.				
H.12.1	DSR-2023 22.23.1	For vertical surface two coats @ 0.70 kg per sqm	sqm	630	389.96	2,45,674.80
H.12.2	DSR-2023 22.23.2	For horizontal surface one coat @1.10 kg per sqm	sqm	1,280	299.17	3,82,937.60
H.13	DSR-2023 26.26	Providing & fixing false ceiling at all heights with GRG (Glass Fibre Reinforced Gypsum) false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having moisture content less than 2%, humidity resistance of 99%, NRC 0.50 to 0.75 as per IS 8225:1987, Non combustible as per BS 476 (part 4)-1970 and light reflectance of 85% (minimum) to be laid in true horizontal level suspended on interlocking metal T-Grid of hot dipped galvanised iron section of 0.33mm thick (galvanized @ 120 grams per sqm including both sides) comprising of main-T runners of size 15x32 mm of length 3000 mm, cross - T of size 15x32 mm of length 1200 mm and secondary intermediate cross-T of size 15x32 mm of length 600mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing @ 80 grams per sqm) i.e. 50 mm long, 8 mm outer diameter M-6 dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x2 mm. Galvanised iron perimeter wall angle of size 24x24x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40 mm long dry wall wood screws. The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in-Charge.				
H.13.1	DSR-2023 26.26.1	With semi perforated 12 mm thick micro tegular edged GRG false ceiling tiles.	sqm	340	1,527.21	5,19,251.40
Sub Total Schedule H (in Rs.)						83,68,617.20
Schedule-I Road and Track Work						
L.1	DSR-2023 16.1	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earthwith lead upto 50 metres.	sqm	4,000	180.51	7,22,040.00

In Charge / Chief Engineer (PH-S) vsk
 मुख्य महाप्रबन्धक / Chief Engineer (PH-S) vsk
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Sl. No.	SOR / NON-SOR	Description of work	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
I.9	DSR-2023 16.53	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 kg/ sq.mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately)	metre	590	309.89	1,82,835.10
I.10	DSR-2023 16.70	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge.				
I.10.1	DSR-2023 16.70.1	Made of G.I. wire of dia 4 mm	sqm	770	839.28	6,46,245.60
I.11	DSR-2023 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				
I.11.1	DSR-2023 16.78.1	With material conforming to Grade-I (size range 75 mm to 0.075 mm) having CBR Value-30	cum	1,690	2,295.70	38,79,733.00
I.12	DSR-2023 16.91	Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator,filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand, complete all as per direction of Engineer-in-Charge.				
I.12.1	DSR-2023 16.91.2	80 mm thick C.C. paver block of M-30 grade with approved color design and pattern.	sqm	1,500	900.06	13,50,090.00
I.13	DSR-2023 16.94	Providing & making Gabion structure with Mechanically Woven Double Twisted Hexagonal Shaped Wire mesh Gabion Boxes as per IS 16014:2012,MORTH Clause 2500, of required size, Mesh Type 10x12 (D=100 mm with tolerance of $\pm 2\%$) Zinc coated, Mesh wire diameter 3.0 mm, mechanically edged/selvedged with partitions at every 1m interval and shall have minimum 10 numbers of openings per meter of mesh perpendicular to twist, tying with lacing wire of diameter 2.2mm, supplied @ 3% by weight of Gabion boxes, filled with boulders with least dimension of 200 mm, as per drawing, all complete as per direction of Engineer-in-charge	cum	2,000	3,445.20	68,90,400.00


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Sl. No.	SOR / NON-SOR	Description of work	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
I.14	USSOR-2021 123040	Linking of BG track (except at L.C. Bridges and SEJs) with any type of rail section and sleeper of specified density, on ballast bed spread and compacted with suitable roller, over prepared formation including leading free rails welded panels available along the alignment on to formation, leading and spreading all fittings and fastenings, spreading of sleepers at specified spacing, squaring, placing of rails over sleepers and fixing rails to sleepers with all types of fittings and fastenings to correct gauge & alignment, lubrication of fittings and fastenings with contractor's grease as per IRPWM standards with contractors labour, tools, consumables, with all lead, lifts etc. complete and raising, levelling and initial packing of track to make it fit for 30 kmph and meet other prerequisites prescribed in Indian Railway Track Machine Manual for deployment of Tamping Machine. Note: 1.Rail cutting and Hole drilling shall be paid separately. 2.Spreading of ballast and compaction shall be paid separately under relevant item.				
	USSOR-2021 123042	For sleeper density of 1540 sleepers per km	TRM	100	312.13	31,213.00
I.15	USSOR-2021 123100	Assembling, laying and linking of Broad Gauge track over CC apron, RCC/CC Bed Blocks etc. to correct level & alignment, fixing of all fittings with rails / panels, aligning & leveling correctly, as directed by engineer in-charge. Rate is inclusive of cutting rails, drilling holes for fixing fish plates, lubrication of fittings & fastenings, fixing reference pillars, arrangement for keeping assembly in correct position while concreting, as required.	TRM	35	242.64	8,492.40
I.16	USSOR-2021 072040	Laying and linking of turnouts of all types including diamond crossings & Derailing switches with 52Kg / 60Kg rail section on PSC sleepers on prepared ballast bed for New lines or during total closure of section at indicated location as per standard drawing, duly leading sleepers, rails, switches, crossings, fastenings including rail cutting, drilling, fixing of all components, fittings with housing of tongue rails as per requirement of signaling, preparing ballast bed, filling and spreading of ballast as required, linking of turnout with track, attending track parameters including lifting, providing one round of packing to make track fit for 20 kmph speed including lubrication of fittings/fastenings, complete as directed by Engineer in-charge.				
I.16.1	USSOR-2021 072046	Derailing Switch	Set	1	11,386.80	11,386.80
I.17	USSOR-2021 161010	Quick cutting with abrasive rail cutter of all types of rail sections including wear resistant, head hardened rails up to 110 UTS, with contractors tools & plants, equipment, consumable with all lead & lift etc. complete as directed by Engineer in-charge. Abrasive Rail Cutter will be as per RDSO Specification No. TM/SM/1 (Rev. 01 of 2012) with latest status of RDSO; Rail Cutting Wheel Abrasive Disc will be as per RDSO Specification No.TM/SM/2 (Rev. 01 of 2020)				
I.17.1	USSOR-2021 161011	60 Kg - 110/90 UTS - Outside Track	Each	8	328.16	2,625.28
I.17.2	USSOR-2021 161012	52 Kg - 90 UTS - Outside Track	Each	20	302.72	6,054.40
I.18	USSOR-2021 161040	Drilling holes of 16 mm to 32 mm dia. with Rail Drilling machine including chamfering with appropriate chamfering tools in all types of rail section with contractor's tools & plants, equipment, consumable with all lead & lift etc. complete, as directed by Engineer in-charge. Rail Drilling Machine will be as per RDSO Specification No. TM/SM 3, dated 24.04.1991.				
I.18.1	USSOR-2021 161041	Outside Track	Each	60	63.60	3,816.00
I.19	USSOR-2021 137010	Anti-corrosive painting of rail outside track on rail bottom, web, foot and fishing plane with two coats of thickness of 100 microns each by bituminous black paint confirms to IS-9862 of reputed make including surface preparation, as a complete job as per procedure prescribed in latest edition of IRPWM.				
I.19.1	USSOR-2021 137011	For 60 Kg Rails	RM	240	79.65	19,116.00
I.19.2	USSOR-2021 137012	For 52 kg Rails	RM	50	70.76	3,538.00

Sl. No.	SOR / NON-SOR	Description of work	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
I.20	USSOR-2021 211250	Manufacturing and fixing buffer stop with Railway supplied rails, cutting, including bending of rails as per plan, with all contractor's labour, materials, tools, plants etc. and all lead and lift including crossing of track where necessary and as directed by Engineer in charge at site. Note: Excavation, fixing rails in cement concrete, drilling of holes will be paid separately	each	1	18,378.17	18,378.17
I.21	DSR-2023 15.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
I.21.1	DSR-2023 15.2.1	Nominal concrete 1:3:6 or richer mix (including equivalent design mix)	cum	15.50033	2,007.30	31,113.81
I.22	DSR-2023 15.3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	cum	13.6625	2,928.38	40,008.99
I.23	DSR-2023 16.40	Providing and laying seal coat of premixed fine aggregate (passing 2.36 mm and retained on 180 micron sieve) with bitumen using 128 kg of bitumen of grade VG- 10 bitumen per cum of fine aggregate and 0.60 cum of fine aggregate per 100 sqm of road surface, including rolling and finishing with road roller all complete.	sqm	7,500	73.02	5,47,650.00
I.24	DSR-2023 16.37	Providing and laying bitumen mastic wearing course (as per specifications) with industrial bitumen of grade 85/25 conforming to IS: 702, prepared by using mastic cooker and laid to required level and slope, including providing antiskid surface with bitumen precoated fine grained hard stone chipping of approved size at the rate of 0.005 cum per 10 sqm and at approximate spacing of 10 cm centre to centre in both directions, pressed into surface protruding 1 mm to 4 mm over mastic surface, including cleaning the surface, removal of debris etc. all complete. (Considering bitumen using 10.2% as per MORTH specification)				
I.24.1	DSR-2023 16.37.2	40 mm thick	sqm	11,235	1,126.82	1,26,59,822.70
I.25	DSR-2023 16.62	Providing and applying 2.5 mm thick road marking strips (retro-reflective) of specified shade/ colour using hot thermoplastic material by fully/ semi automatic thermoplastic paint applicator machine fitted with profile shoe glass beads dispenser, propane tank heater and profile shoe heater, driven by experienced operator on road surface including cost of material, labour, T&P, cleaning the road surface of all dirt, seals, oil, grease and foreign material etc. complete as per direction of Engineer-in-charge and accordance with applicable specifications.	sqm	1,200	616.64	7,39,968.00
I.26	DSR-2023 16.50	Providing and fixing Glow studs of size 100x20 mm made of heavy duty body shall be moulded ASA (Acrylic styrene Acrylonitrile) or HIP (High impact polystyrene) or ABS having electronically welded micro- prismatic lens with abrasion resistant coating as approved by Engineer in charge. The glow stud shall support a load of 13635 kg tested in accordance with ASTM D4280. The slope of retro- reflective surface shall be 35 (+/- 5) degrees to base. The reflective panels on both sides with at least 12 cm of reflective area up each side. The luminance intensity should be as per the specification and shall be tested as described in ASTM E: 809 as recommended in BS: 873 part 4: 1973. The studs shall be fixed to the Road surface using the adhesive conforming to IS, as per procedure recommended by the manufacturer complete and as per direction of Engineer-in-charge	each	500	170.12	85,060.00
I.27	DSR-2023 16.11	Dry stone pitching 22.5 cm thick including supply of stones and preparing surface complete	sqm	1,010	728.25	7,35,532.50
Sub Total Schedule I (in Rs.)						3,43,63,851.45
Schedule-J		Other Track And Civil Works				


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Sl. No.	SOR / NON-SOR	Description of work	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
J.1	NON-SOR	Supply of machine crushed 50 mm size stone ballast (Pakur variety from Pakur quarry) as per RDSO's specifications for track ballast with (up to date correction slips and stacking the same at nominated places / locations / stack yard along the section at following locations as directed by the Engineer or his authorised representative with contractor's own labours , tools , plants , machineries , transports including all leads , lifts , ascents , descents , clearance of site , crossing of tracks , nullah or any other obstructions etc. handling / re-handling with all other incidental charges . The rate includes all charges like procurement of machine crushed ballast from Pakur quarry , payment of royalty , local taxes , GST or any other taxes , Transportation from quarry to the nominated stack location , all loading / unloading , dressing and stacking etc making and maintaining service roads , complete in all respects .	Cum	240	3,292.96	7,90,310.40
J.2	NON-SOR	Handling, Lifting & Leading of ballast from measured stacks with lead of 100m and spreading of stone ballast on formation, track & turnouts to ensure uniform & compact ballast cushion under the sleepers with desired ballast profile. Spreading of ballast will be done in two stages i.e. (i) on the formation before laying the track and (ii) in the track and points & crossings with contractors labor with lead up to 100 meter and with all lift. No extra payment will be made for crossing of railway lines etc.				
J.2.1	NON-SOR	for lead between 0-100 m	Cum	240	123.48	29,635.20
J.3	NON-SOR	Supply of Fish Plates 60 Kg Rail one meter long as per standard drawing of RDSO No. T-5916	No.	40	4,468.54	1,78,741.60
J.4	NON-SOR	Supply of Joggled Fish Plates (2 No. per set) with 4 pair clamps, 4 No. Bolts & Nuts and 8 No. special washers : For 60 Kg as per RDSO Drawing No. T-4016	No.	4	8,067.30	32,269.20
J.5	NON-SOR	Combo GFN liners 60kg rail 60 kg sleeper to RDSO Drag. No. T-6938/6939	Set	140	38.17	5,343.80
J.6	NON-SOR	ERC to RDSO Drag. No. T-5919	Nos.	280	98.81	27,666.80
J.7	NON-SOR	Welding of rail joints of 60kg by SKV process with contractors portion purchased from RDSO firm (to be supplied with authenticated certificate), dry moulds including other welding materials, supplying skilled/artisan staff like welder, molder, chipper, lette, aligner, striker/hammer man & adequate nos. of semi skilled & unskilled labor and supplying petrol, as required for facilitating welding works on track by shifting the joint sleepers up to 30cm on either side, providing suitable gap of about 23mm to 25 mm for welding, fixing the petrol tanks & heating the rail ends by approved contractors equipment and chipping the excess materials if required, aligning, leveling etc. complete including filling after welding on cess.	Each Joint	10	4,764.22	47,642.20
J.8	NON-SOR	USFD testing of 60 Kg/52kg rail welds (flash butt/SKV) as per RDSO manuals and submitting reports on Performa as directed by the engineer.	Each Joint	10	68.30	683.00
J.9	NON-SOR	Supply and fixing of SS sliding door bolt 250 mm of approved brand including all fittings	Each	55	545.00	29,975.00
J.10	NON-SOR	Supply and fixing of SS tower bolt 200 mm of approved brand including all fittings	Each	20	390.00	7,800.00
J.11	NON-SOR	Supply and fixing of SS tower bolt 150 mm of approved brand including all fittings	Each	40	374.50	14,980.00
J.12	NON-SOR	Supply and fixing of SS tower bolt 100 mm including all fittings	Each	20	220.00	4,400.00
J.13	NON-SOR	Supply and fixing of SS door handles 150 or 200 mm of approved brand including all fittings	Each	40	355.00	14,200.00
J.14	NON-SOR	Supply and fixing of Mortise lock of approved brand with 6-lever Locking Mechanism and Reversible Latch for wooden Doors including all fittings	Each	10	1,685.00	16,850.00
J.15	NON-SOR	Supply and fixing of balls or suitable closing at the both ends of curtain rails as per engineer's instruction	Set	60	180.00	10,800.00

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Sl. No.	SOR / NON-SOR	Description of work	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
J.16	NON-SOR	SS mosquito net of minimum 0.20 mm dia wire for door and window including all fixing charges in existing frames.	sqm	10	538.00	5,380.00
J.17	NON-SOR	Supply, cutting and fixing of frosted glass including all fittings in existing frames as per engineer's instruction.	sqm	5	875.00	4,375.00
J.18	NON-SOR	Providing and fixing 6mm thick toughened glass to UPVC/aluminium windows and door as per instruction of engineer in-charge.	sqm	20	2,010.00	40,200.00
J.19	NON-SOR	Supply providing and fixing 20 gauge (1mm thick) SS sheet as per instruction of engineer in-charge	sqm	5	27,860.00	1,39,300.00
J.20	NON-SOR	Using heavy duty hydraulic rig and air compressor for drilling 8 inch Borewell by DTH and Odex method, drilling through any kind of soil, boulder and rock up to desire dpth includin MS Pipe.	Meter	200	8,798.36	17,59,672.50
J.21	NON-SOR	Supply and fixing of LCG filter	Nos.	4	26,395.09	1,05,580.35
J.22	NON-SOR	Mobilization and demobilization of MS-Pipe	Lumsum	1	17,596.73	17,596.73
J.23	NON-SOR	Providing and applying primer coat with bitumen emulsion on prepared surface of granular Base including clearing of road surface and spraying primer at the rate of 0.85 kg/sqm using mechanical means.	sqm	7,500	37.00	2,77,500.00
J.24	NON-SOR	Supplying, erecting, fabricating, hoisting, fitting, fixing in position of ISI Marked GRP/SMC paneled (Confirming to IS:14399) Water storage tank at any height. The rate includes all HDG 8.8 grade fasteners, GRP inside support, GRP / Stainless Steel inside ladder, HDG outside bracing, GRP 700 dia manhole cover, Aluminum/ HDG/ GRP External ladder, 100 Dia Air vent, complete in all respect. The tank should have factory fitted provision for Inlet, Outlet, overflow wash pipe and provision for one additional delivery pipe line in future of dia as specified by engineer at site. The work completes in all respect with contractor's tools, plants, labour, materials, scaffolding and removal the same after completion of work. This includes testing of all joints complete as per direction of Engineers-in-Charge.	per litre	243000	11.05	26,85,150.00
Sub Total Schedule J (in Rs.)						62,46,051.78
Schedule-K Water supply and Sanitary Work						
K.1	DSR-2023 17.1	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:				
K.1.1	DSR-2023 17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	each	11	5,580.44	61,384.84
K.2	DSR-2023 17.2	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 :				
K.2.1	DSR-2023 17.2.1	W.C. pan with ISI marked white solid plastic seat and lid	each	25	5,372.76	1,34,319.00
K.3	DSR-2023 17.4.1	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required: One urinal basin with 5 litre white P.V.C. automatic flushing cistern	each	10	5,161.00	51,610.00
K.4	DSR-2023 17.7	Providing and fixing wash basin with C.I. brackets, 15 C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fitting and brackets, cutting and making good the walls wherever requird:				
K.4.1	DSR-2023 17.7.1	White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	each	4	2,184.26	8,737.04

Sl. No.	SOR / NON-SOR	Description of work	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
K.4.2	DSR-2023 17.7.3	White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps	each	13	1,898.04	24,674.52
K.5	DSR-2023 17.10	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 :				
K.5.1	DSR-2023 17.10.2	Kitchen sink without drain board				
K.5.1.1	DSR-2023 17.10.2.1	610x510 mm bowl depth 200 mm	each	11	4,074.21	44,816.31
K.6	DSR-2023 17.16A	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.	each	25	287.91	7,197.75
K.7	DSR-2023 17.17	Providing and fixing a pair of white vitreous china foot rests of standard pattern for squatting pan water closet :				
K.7.1	DSR-2023 17.17.1	250x130x30 mm	pair	4	201.90	807.60
K.8	DSR-2023 17.23	Providing and fixing white vitreous china flat back or wall corner type tipped front urinal basin of 430x260x350 mm or 340x410x265 mm sizes respectively.	each	7	1,359.73	9,518.11
K.9	DSR-2023 17.28	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
K.9.1	DSR-2023 17.28.1.1	Semi rigid pipe 32mm dia	each	25	85.68	2,142.00
K.10	DSR-2023 17.31	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	each	17	1,325.93	22,540.81
K.11	DSR-2023 17.33	providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm lng screws, rawl plugs etc., complete.	each	19	893.46	16,975.74
K.12	DSR-2023 17.73.2	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. : 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.	each	27	584.60	15,784.20
K.13	DSR-2023 18.4	Providing and fixing 3 layer PP-R (Poly propylene Random copolymer) pipes confirming to IS 15801, UV stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply, including all PP - R plain & brass threaded polypropylene random fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes testing of joints complete as per direction of Engineer-in-Charge. Internal Exposed on walls				
K.13.1	DSR-2023 18.4.2	PN - 16 Pipe, 25mm OD (SDR-7.4)	metre	100	262.51	26,251.00
K.13.2	DSR-2023 18.4.3	PN - 16 Pipe, 32mm OD (SDR-7.4)	metre	100	299.25	29,925.00
K.14	DSR-2023 18.5	Providing and fixing 3 layer PP-R (Poly propylene Random copolymer) pipes confirming to IS:15801, UV stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply, including all PP - R plain & brass threaded polypropylene random fittings and fixing the pipe with clamps at 1.00 m spacing. This includes 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 wall etc.				
K.14.1	DSR-2023 18.5.2	PN - 16 Pipe, 25mm OD (SDR-7.4)	metre	100	424.84	42,484.00
K.14.2	DSR-2023 18.5.3	PN - 16 Pipe, 32mm OD (SDR-7.4)	metre	100	462.98	46,298.00
K.15	DSR-2023 18.6	Providing and fixing 3 layer PP-R (Poly propylene Random copolymer) pipes confirming to IS:15801 UV stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply, including all PP - R plain & brass threaded polypropylene random fittings, including trenching, refilling & testing of joints complete as per direction of Engineer-in-Charge. External work				
K.15.1	DSR-2023 18.6.2	PN - 16 Pipe, 25 mm OD (SDR-7.4)	metre	100	218.56	21,856.00
K.15.2	DSR-2023 18.6.3	PN - 16 Pipe, 32 mm OD (SDR-7.4)	metre	100	260.78	26,078.00

Sl. No.	SOR / NON-SOR	Description of work	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
K.15.3	DSR-2023 18.6.6	PN - 10 Pipe, 63 mm OD (SDR-11)	metre	100	492.91	49,291.00
K.15.4	DSR-2023 18.6.9	PN - 10 Pipe, 110 mm OD (SDR-11)	metre	250	1,073.10	2,68,275.00
K.16	DSR-2023 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 and 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.				
K.16.1	DSR-2023 18.8.2	20 mm nominal outer dia Pipes	metre	50	443.31	22,165.50
K.16.2	DSR-2023 18.8.3	25 mm nominal outer dia Pipes	metre	100	517.23	51,723.00
K.17	DSR-2023 18.9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work				
K.17.1	DSR-2023 18.9.2	20 mm nominal outer dia Pipes	metre	100	226.19	22,619.00
K.17.2	DSR-2023 18.9.3	25 mm nominal outer dia Pipes	metre	100	293.07	29,307.00
K.18	DSR-2023 18.12	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work				
K.18.1	DSR-2023 18.12.3	25 mm dia nominal bore	metre	100	385.71	38,571.00
K.18.2	DSR-2023 18.12.4	32 mm dia nominal bore	metre	100	445.53	44,553.00
K.18.3	DSR-2023 18.12.6	50 mm dia nominal bore	metre	100	628.47	62,847.00
K.19	DSR-2023 18.13	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete:				
K.19.1	DSR-2023 18.13.1	25 to 40 mm nominal bore	each	25	751.96	18,799.00
K.19.2	DSR-2023 18.13.2	50 to 80 mm nominal bore	each	20	1,472.21	29,444.20
K.20	DSR-2023 18.32	Constructing masonry Chamber 30x30x50 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for stop cock, with C. I. surface box 100x100 x75 mm (inside) with hinged cover fixed in reinforced cement concrete slab 1:1.5:3 mix (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size), including necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12mm thick, finished with a floating coat of neat cement complete as per standard design :				
K.20.1	DSR-2023 18.32.1	With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	each	6	1,643.11	9,858.66
K.21	DSR-2023 18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI: 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	per litre	7,000	9.07	63,490.00
K.22	DSR-2023 18.15	Providing and fixing brass bib cock of approved quality				
K.22.1	DSR-2023 18.15.2	20 mm nominal bore	each	25	312.69	7,817.25
K.23	DSR-2023 18.51	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.				
K.23.1	DSR-2023 18.51.1	15 mm nominal bore	each	16	658.82	10,541.12
K.24	DSR-2023 18.16	Providing and fixing brass stop cock of approved quality				
K.24.1	DSR-2023 18.16.2	20 mm nominal bore	each	21	312.69	6,566.49
K.25	DSR-2023 18.53	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931				
K.25.1	DSR-2023 18.53.1	15 mm nominal bore	each	23	473.57	10,892.11

Sl. No.	SOR / NON-SOR	Description of work	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
K.26	DSR-2023 19.6	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :				
K.26.1	DSR-2023 19.6.2	150 mm dia. R.C.C. pipe	metre	120	458.85	55,062.00
K.26.2	DSR-2023 19.6.3	250 mm dia. R.C.C. pipe	metre	50	741.98	37,099.00
K.27	DSR-2023 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. • With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	5	22,150.49	1,10,752.45
K.28	DSR-2023 19.36	Providing and laying Non Pressure NP-4 class (Heavy duty) R.C.C. pipes including collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete				
K.28.1	DSR-2023 19.36.2	600 mm dia RCC pipes.	metre	20	3,244.62	64,892.40
K.29	DSR-2023 23.12	Development of tube well in accordance with IS : 2800 (part I) and IS: 11189, to establish maximum rate of useable water yield without sand content (beyond permissible limit), with required capacity air compressor, running the compressor for required time till well is fully developed, measuring yield of well by "V" notch method or any other approved method, measuring static level & draw down etc. by step draw down method, collecting water samples & getting tested in approved laboratory, including disinfection of tubewell, all complete, including hire & labour charges of air compressor, tools & accessories etc., all as per requirement and direction of Engineer-in-charge.	Hour	50	894.74	44,737.00
K.30	DSR-2023 23.13	Providing and fixing suitable size threaded mild steel cap or spot welded plate to the top of bore well housing/ casing pipe, removable as per requirement, all complete for borewell of:				
K.30.1	DSR-2023 23.13.3	200 mm dia	each	2	264.82	529.64
K.31	DSR-2023 23.15	Providing and fixing Bail plug/ Bottom plug of required dia to the bottom of pipe assembly of tubewell as per IS:2800 (part I).				
K.31.1	DSR-2023 23.15.3	200 mm dia	each	2	294.88	589.76
K.32	DSR-2023 23.8	Gravel packing in tubewell construction in accordance with IS: 4097, including providing gravel fine/ medium/ coarse, in required grading & sizes as per actual requirement, all complete as per direction of Engineer-in-charge.	cum	10	1,669.42	16,694.20
K.33	DSR-2023 18.27.1	Providing and laying S&S centrifugally cast (spun) iron pipes (Class I.A) conforming to IS: 1536: 100 mm dia pipes	metre	200	1,173.50	2,34,700.00
K.34	DSR-2023 18.30	Providing flanged joints to double flanged C.I./D.I. pipes and specials including testing of joints:				
K.34.1	DSR-2023 18.30.2	100 mm diameter pipe	each	44	273.77	12,045.88
K.35	DSR-2023 18.31	Providing and fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately) :				
K.35.1	DSR-2023 18.31.1.2	100 mm diameter Class II	each	4	4,111.36	16,445.44
K.36	DSR-2023 18.59	Providing and fixing C.I. double acting air valve of approved quality with bolts, nuts, rubber insertions etc. complete (The tail pieces, tapers etc if required will be paid separately)				
K.36.1	DSR-2023 18.59.3	100 mm dia	each	5	7,333.22	36,666.10
K.37	DSR-2023 18.66	Providing and laying S&S C.I. Standard specials such as tees, bends, collars tapers and caps etc, suitable for flanged jointing as per IS : 1538 :				
K.37.1	DSR-2023 18.66.2	Above 300 mm dia	quintal	5	8,376.31	41,881.55
Sub Total Schedule K (in Rs.)						20,12,255.67
Schedule-L Electrification Works						
L.1	DSR(E&M)-2022 1.10	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.				
L.1.1	DSR(E&M)-2022 1.10.3	Group C	Point	373	1,414.91	5,27,761.43

Sl. No.	SOR / NON-SOR	Description of work	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
L.2	DSR(E&M)-2022 1.11	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.	Point	9	1,506.53	13,558.77
L.3	DSR(E&M)-2022 1.14	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
L.3.1	DSR(E&M)-2022 1.14.2	2x2.5 sq. mm + 1x2.5 sq. mm earth wire	Metre	1,300	265.23	3,44,799.00
L.3.2	DSR(E&M)-2022 1.14.3	2x4 sq. mm + 1x4 sq. mm earth wire	Metre	2,500	322.14	8,05,350.00
L.3.3	DSR(E&M)-2022 1.14.11	4x16 sq. mm + 2x6 sq. mm earth wire	Metre	266	1,316.53	3,50,196.98
L.4	DSR(E&M)-2022 1.25	Supplying and fixing two module stepped type electronic fan regulator on the modular plate switch box including connections etc. as required.	Nos.	69	355.90	24,557.10
L.5	DSR(E&M)-2022 1.56	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2 nos. 3 pin 5/6 A modular socket outlet and 2 nos. 5/6 A modular switch, connections etc. as required.	Nos.	51	651.99	33,251.49
L.6	DSR(E&M)-2022 1.27	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.				
L.6.1	DSR(E&M)-2022 1.27.1	1 or 2 Module (75 mm x 75 mm)	Each	70	287.42	20,119.40
L.6.2	DSR(E&M)-2022 1.27.2	3 Module (100 mm x 75 mm)	Each	38	315.39	11,984.82
L.6.3	DSR(E&M)-2022 1.27.4	6 Module (200 mm x 75 mm)	Each	29	387.72	11,243.88
L.7	DSR(E&M)-2022 1.31	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	Each	100	460.06	46,006.00
L.8	DSR(E&M)-2022 1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 A & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	Nos.	52	565.19	29,389.88
L.9	DSR(E&M)-2022 1.33	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required	Each	256	83.91	21,480.96
L.10	DSR(E&M)-2022 1.26	Supplying and fixing modular blanking plate on the modular plate & switch box modular plate as required.	Each	30	38.58	1,157.40
L.11	DSR(E&M)-2022 2.3	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
L.11.1	DSR(E&M)-2022 2.3.2	8 way, Double door	Each	15	2,481.63	37,224.45
L.11.2	DSR(E&M)-2022 2.3.4	16 way, Double door	Each	18	3,029.46	54,530.28
L.12	DSR(E&M)-2022 2.4	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
L.12.1	DSR(E&M)-2022 2.4.1	4 way (4 + 12), Double door	Each	7	3,945.73	27,620.11
L.12.2	DSR(E&M)-2022 2.4.2	6 way (4 + 18), Double door	Each	5	4,797.37	23,986.85
L.13	DSR(E&M)-2022 2.10	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
L.13.1	DSR(E&M)-2022 2.10.1	Single pole	Each	250	246.91	61,727.50
L.14	DSR(E&M)-2022 2.11	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	Each	86	12.54	1,078.44
Sub Total (Schedule- L) Rs.						24,47,024.74
Schedule-M	Other Electrification Works					

Prasenjit Barikaya, IIT
मुख्य महाप्रबंधक / Chief General Manager/PH-Sivok
इरकॉन इंटरनेशनल लिमिटेड
IRCON INTERNATIONAL LTD.
सेवक रेंगपो नई बड़ी रेल लाइन परियोजना
Sivok Rangpo New BG Rail Line Project

Sl. No.	SOR / NON-SOR	Description of work	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
M.1	NON-SOR	Supply, Installation, Testing and Commissioning of following fittings on the existing point with making connection with 1.5 sqmm FRLS Copper conductor single core cable i/c earthing etc. As required. Note: All LED Fixtures shall have power factor ≥ 0.90				
M.1.1	NON-SOR	Supply, Installation, Testing & Commissioning of 1X 12W surface mounted LED light fixtures similar to Havells Cat - LHEAHP7L1W012 or equivalent.	Nos.	52	1,329.49	69,133.35
M.1.2	NON-SOR	Supply, Installation, Testing & Commissioning of 1X40 W, 4ft linear surface mounted IP65 LED fixture similar to Havells Cat - MAGNUMGRANDNEOIP6640WLED857SPC	Nos.	19	4,077.50	77,472.45
M.1.3	NON-SOR	Supply, Installation, Testing & Commissioning of 10W LED bulk head light similar to Havells Cat - RUGBYGENXFTS10WLED865SSYMBOPC or equivalent.	Nos.	42	1,834.66	77,055.58
M.1.4	NON-SOR	Supply, Installation, Testing & Commissioning of 1X20 W, 4ft surface mounted made of CRCA sheet box type LED fixture along with 1X20 W T8 LED tube similar to Havells Cat - PHOTONULTRAE2.01213T8SSTL20WLED865SPC and REGALBATTENT 8UPTO1X22WSSBSWH	Nos.	139	1,033.19	1,43,613.24
M.1.5	NON-SOR	100 W LED Integral type Flood light in die cast aluminium housing with IP 66 protection complete with opal acrylic diffuser constant current electronic driver of 140-240V AC and high voltage, open & short circuit protection and all other accessories, connection cable of required length.	Nos.	34	5,165.94	1,75,642.09
M.1.6	NON-SOR	Supply, installation, testing & commissioning of 1x10 W, 2 ft linear mounted LED fixture suitable for mirror light application similar to Havells Cat LUMILINE+BS10WLED865SPCSS or equivalent	Nos.	36	593.17	21,354.10
M.1.7	NON-SOR	Supply, installation, testing and commissioning of 9 W LED Bulb holder with metallic strip	Nos.	27	212.38	5,734.33
M.1.8	NON-SOR	Supply, installation, testing & commissioning of 1x36 W, 2x2 recess mounted LED light fixture similar to Havells cat VENUSNEO2X2PLR36WLED857STTR or equivalent	Nos.	12	4,657.93	55,895.22
M.2	NON-SOR	Supply, Installation, testing and commissioning of 1200 mm (Five Star) ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	Nos	67	1,792.31	1,20,084.94
M.3	NON-SOR	Supplying assembling and fixing of the Heavy duty Exhaust Fan 250/300 mm sweep 1400rpm including making the hole to suit the size of fan, making good the damage, connection, testing, commissioning etc. as required.	Nos	46	2,264.89	1,04,185.09
M.4	NON-SOR	Supply and fixing of following rating MCB/MCCB in the existing MCB DB complete with connection, testing and commissioning as required				
M.4.1	NON-SOR	40 A, 10 KA DP MCB	Nos	26	830.78	21,600.28
M.4.2	NON-SOR	40 A, 10 KA TPN MCB	Nos	13	1,600.45	20,805.84
M.4.3	NON-SOR	63 A, 10 KA TPN MCB	Nos	3	1,640.33	4,921.01
M.5	NON-SOR	Supply erection testing and commissioning of ding dong type call bell	Nos	8	304.01	2,432.10
M.6	NON-SOR	Supply, installation, testing and commissioning of 6 mtr high hot dip galvanized octagonal pole with 130 mm bottom A/F & 70 mm to A/F made up of 3 mm thick, HT sheet along with base plate of size 200x200x12 mm thick including 4 Nos. of M16x450 long 'J' type EN 8 grade foundation bolt along with templates (without Bracket)	Nos	12	9,202.17	1,10,426.02
M.7	NON-SOR	Supply, installation, testing and commissioning of 1 mtr long hot dip galvanized single arm special bracket (Model: Type 5) cross arm made up of GI pipe suitable to mount on pole having top 70 mm AF	Nos	10	2,947.75	29,477.51
M.8	NON-SOR	Supply, installation, testing and commissioning of 1 mtr long hot dip galvanized double arm special bracket (Model: Type 5) cross arm made up of GI pipe suitable to mount on pole having top 70 mm AF	Nos	2	3,691.50	7,383.00
M.9	NON-SOR	supply, fitting, connection and testing of outdoor type luminaries 45 watt LED integral type street light in die cast aluminium spigot housing with IP 66 protection complete with opal acrylic diffuser constant current, electronic driver of 140-280 volt AC and high voltage, open & short circuit protection and all other accessories, connection cable of required length etc	Nos	14	4,017.96	56,251.39

प्रसेनजित पुरकायस्था
Prasenjit Purokayastha
 मुख्य महाप्रबंधक / Chief General Manager/PH-Sivok
 इरकॉन इंटरनेशनल लिमिटेड
IRCON INTERNATIONAL LTD.
 सेवक रेंगपो नई बड़ी रेल लाइन परियोजना
 Sivok Rangpo New BG Rail Line Project

Sl. No.	SOR / NON-SOR	Description of work	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
M.10	NON-SOR	Supply & fixing of HDPE Pipe of 50/63 mm outer dia with 6 kgf/cm ² working pressure conforming to IS 4984/1995, clamped with pole bracing by suitable size clamp (if required) as per site requirement	metre	1,200	190.00	2,28,003.93
M.11	NON-SOR	Supply & fixing of HDPE Pipe of 110 mm outer dia with 6 kgf/cm ² working pressure conforming to IS 4984/1995, clamped with pole bracing by suitable size clamp (if required) as per site requirement	metre	1,000	597.47	5,97,470.78
M.12	NON-SOR	Supply following size of Aluminium armoured conductor XLPE insulated FLRS inner and outer sheathed, 1.1 KV power distribution cables with conforming to IS:7098				
M.12.1	NON-SOR	2C x 10 sq. mm	metre	250	257.15	64,287.30
M.12.2	NON-SOR	4 C x 16 sq. mm	metre	1,000	389.57	3,89,571.60
M.12.3	NON-SOR	4C x 35 Sq. mm	metre	2,502	651.29	16,29,516.38
M.12.4	NON-SOR	4 C x 70 sq. mm	metre	50	1,087.77	54,388.74
M.12.5	NON-SOR	4 C x 120 Sq. mm	metre	1,500	1,642.97	24,64,461.45
M.12.6	NON-SOR	4 C x 150 sq. mm	metre	1,000	1,987.97	19,87,969.50
M.13	NON-SOR	Supply, installation, testing & commissioning of LT Panel Board Double Door, compartmentalised made of metal enclosure of 2mm thick CRCA sheet duty powder coated with 200 A Copper bus bar with following switchgears and Necessary arraignment be made for termination of incoming cable and outgoing cables using cable alleys. Makes of Switchgears L&T/ABB/Siemens as per approved List (Manufacturing shall be taken up after accord approval from Engineer-in-Charge). Rates are inclusive of Space heater and Thermostat. Incomer:- 160 Amps 4P MCCB 36KA - 1 No. 0-500V Digital Voltmeter with Volt Selector Switch-1 No 0-150A Digital Ammeter with Ammeter Selector Switch - 1 No 200/5,15 V/A,CL-1 Current Transformer -3 No Phase Indicating Lamps R.Y.B.-3 No 6 Amps SP MCB for Control - 3 No Outgoing:- 100 A, 4P, MCCB - 1 no 63 A, 4P MCCB- 32 A, 4P MCCB - 4 Nos Digital timer- 01 Nos with contactor		1	1,98,500.00	1,98,500.00
M.14	NON-SOR	Track Crossing by HDD Method (Rate is inclusive of Drawing approval from NFR) of boring size 300 mm	Metre	140	18,632.22	26,08,510.58
M.15	NON-SOR	Supply, erection, testing and commissioning of maintaince free earth pit with 3.0 m, 50 mm dia electrode with outer part of GI pipe along with backfill compound (50 kg).	Nos	17	15,222.33	2,58,779.66
M.16	NON-SOR	Supply, installation, testing & commissioning of submersible pump motor set with 5 star rating with submersible motor suitable for 3 phase, 415V, 50HZ +/-3% . Pump shall be fitted with tilting pad type thrust bearing segment complete with flat cable. The motor starter body should be made of stainless steel with following specification:- Discharge- 800-1200 LPM, Head 80-120 mtr: starting-star/delta(415 v, 3 phase), outlet dia of minimum 80 mm Pump will have star delta automatic starter suitable for above pump with Volt Metre, Amp Meter, On/OFF Switch, indicating lamp, Overload Protection, star delta timer, Dry run Protection, Motor Protection relay, MCCB/MCB and star delta timer.	Nos	2	2,67,973.81	5,35,947.61
M.17	NON-SOR	Supply and instllation of 12 mm Polycoated rope	Mtr	40	246.68	9,867.00
M.18	NON-SOR	Supply and instllation of suitable size GI column pipe for above pump	Mtr	40	2,390.85	95,634.00
M.19	NON-SOR	Supply and instllation of suitable size heavy duty rest clamp	Set	2	3,617.90	7,235.80
M.20	NON-SOR	Supply and instllation of suitable size well cover	Nos	1	2,846.25	2,846.25
M.21	NON-SOR	Supply and instllation of suitable size GI Bend Flanged type as per requirement	Nos	1	3,390.20	3,390.20
M.22	NON-SOR	Supply and instllation of suitable size CI Non Return Valve as per requirement	Nos	1	16,799.20	16,799.20
M.23	NON-SOR	Supply and instllation of suitable size CI Non Sluice Valve as per requirement	Nos	1	19,835.20	19,835.20
M.24	NON-SOR	Supply of 250 mm PVC Exhaust Fan	Nos	3	1,755.00	5,265.00

Sl. No.	SOR / NON-SOR	Description of work	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
M.25	NON-SOR	Supply, installation, testing & commissioning of LT Panel made of metal enclosure of 2mm thick CRCA sheet duty powder coated with 150 A Copper bus bar with following switchgears and metering. Necessary arrangement be made for termination of incoming cable and outgoing cables using cable alleys. Incomer: 100 A, 4P MCCB 36KA with thermal magnetic release with O/L& S/C Protection - 1 No. Indicating lamp-3 No. 100/5, 15VA, Class-I, CT - 1No Digital Multifunctional Meter, Class-I Spreader Link - 1 Set 6 Amps SP MCB for Control - 1 Set Outgoing 63 Amps 4P MCCB 25K with thermal magnetic release with O/L& S/C Protection - 1 Nos. 32 Amps 4P MCC 25 KA with thermal magnetic release with O/L& S/C Protection - 2 Nos. Panel must consist of space heater, thermostat, illumination lighting and should be compatible with IP 54 Note: Manufacturing shall be taken up after accord approval from Engineer-in-Charge & Panel should be fabricated from CPRI approved vender. Panel should have Rites/Consinee inspection.	No.	1	1,91,015.00	1,91,015.00
Sub Total (Schedule- M) Rs.						1,24,72,762.71
Schedule-N	SOR	Any other item not covered above shall be done under DSR-2023 for civil works, NFR USSOR-2021 for P-Way Linking/track works and DSR(E&M)-2022 for electrical works (excluding GST)	LS			3,00,00,000.00
Total Estimate amount without GST (in Rs.) =						26,22,07,769.58
GST @ 18% =						4,71,97,398.52
Total Estimate amount with GST (in Rs.) =						30,94,05,168.11


Prasanna Purkayastha
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