

No. IRCON/2059/CGRP/e-TENDER/23-24/KHS-DHARAM/BSP-64/15626 Dated. 14.03.2024

To

M/s Hill Brow Metalics & Construction Pvt Ltd,

Chandani Chowk,

Raigarh, (Chhattisgarh) 496001

PH No:9300100000, 9827931562

Email Id: sunilska2004@yahoo.com, sunilska2004@gmail.com

(Letter of Acceptance)

Sub: Civil Works including Earthwork and Blanketing for railway formation, Minor Bridges, Major Bridges, ROBs, earth retaining wall, all types of Service Buildings, Track linking works (including supply of sleepers, Ballast and Rails) and General Electrification Works for the Establishment of Private Railway Siding of CSPGCL - taking off from CERL Line for Transportation of Coal from GP-III Coal Block by developing a crossing station near Milupara, between Gharghoda- Gare Pelma Section (Ch. Km 22.456 to Km 24.528 from Gharghoda/CSB) at Gare Pelma-III (5 MTY) Mines, Raigarh Area of CSPGCL- **Letter of Acceptance**

Ref: i. NIT No: IRCON/2059/CGRP/e-TENDER/23-24/KHS-DHARAM/BSP-64 Dated 19.12.2023

ii. Corrigendum no. 01 Dated 01.01.2024

iii. Technical Bid Opened on 10.01.2024 and financial bid opened on 26.02.2024

With reference to the above, this is to inform you that your offer for the subject work has been accepted by Competent Authority for and on behalf of IRCON International Limited at a total cost of **Rs. 69,44,46,618.60/-** (Rupees Sixty-Nine Crore Forty-Four Lakhs Forty-Six Thousand Six Hundred Eighteen and Sixty Paise only) **including GST**. The summary of BOQ accepted by the Competent Authority is enclosed herewith as **Annexure-I**.

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

1.0 Performance Security

1.1 In term of SCC clause no. 13.0, you are requested to submit performance security within 21 (twenty-one) days from the date of issue of letter of acceptance (LOA) in the form of irrevocable bank guarantee on the Performa annexed as Annexure-II for an amount of Rs 3,81,90,278.00/- (Rupees Three Crore Eighty One Lakhs Ninety Thousand Two Hundred Seventy Eight only) @ 5% (Five percent) of the contract value plus additional Performance Guarantee from any scheduled bank having validity initially up to 60 days beyond the stipulated date of completion i.e. 13.11.2025 (14.09.2025 + 60 days).

2.0 Completion Period and Programme Submission.

2.1 In term of SCC clause no. 10.0, completion period of the work is **18 (Eighteen) months** from the date of issue of letter of acceptance including monsoon period i.e. **up to 14.09.2025**. The work has to be executed in co-ordination with other agencies working on or near the project.

SURENDER SINGH Digitally signed by
SURENDER SINGH
Date: 2024.03.14
13:08:25 +05'30'

प्रथम तल, नार्थ एवेन्यू, तखतपुर रोड, उसलापुर,
बिलासपुर (छ.ग.) 495001
1st Floor, North Avenue, Takhatpur Road,
Uslapur, Bilaspur 495 001 Tel : 07752-443719

रजि. कार्यालय : सी. - 4, डिस्ट्रिक्ट सेंटर, साकेत, नई दिल्ली-110017, भारत
Regd. Office : C-4, District Center Saket, New Delhi-110017 INDIA
Tel. : +91-1129565666 Fax: 91-11-26854000, 26522000
Email : info@ircon.org web : www.ircon.org



2.2 In term of SCC Clause no. 10.0, you are requested to submit within 7 (seven) days of issue of letter of acceptance and before the work is commenced; **a detailed programme for each major element of the work, using the modern networking techniques for project monitoring, for approval of the Engineer.** The construction programme will show the general methods, arrangements, order and timing for all significant activities in the works identifying the critical path for the work clearly, along with monthly cash flow. The programme shall clearly provide for and indicate the time required for the preliminaries before starting the work and shall indicate the details of commencement and completion of the various sections of the work.

3.0 Accepted Rates and Price Variation:

The quoted rates shall be deemed to include all the cost towards the scope of work of contractor as detailed in the tender documents including cost of all materials, labour, plant and machinery, supervision, overhead, profit, insurances including transit insurance, replacement/ correction of defective works, incidentals etc. and all the taxes and duties etc complete. Nothing extra over the accepted rates will be payable unless noted expressly otherwise in the tender documents. However, the contract price adjustment/price variation shall be dealt as per clause No.9 of SCC.

4.0 Variation in Quantity:

In term of SCC Clause no. 19.0, variation in quantities shall be dealt as per Clause 58 and 59 of general condition of contract.

5.0 Mobilization Advance:

Payment of mobilization advance shall be as per clause no. 4 of SCC.

6.0 Maintenance and Defect Liability Period:

The Contractor shall maintain, rectify and make good at his own cost any defect/deficiencies, which may develop in the work or as notified by the Engineer during Defect Liability Period for 12 months from the date of completion of the work. Maintenance and defect liability period shall be dealt as per clause No 11 of SCC.

7.0 Insurance:

In term of SCC clause no. 12.0, before commencement of works, you are requested to obtain insurance cover as per the details provided in the clause.

8.0 Contract Agreement:

In term of SCC clause no. 15.0, you have to attend the office of Project Director/CGRP, IRCON Project Office, Bilaspur, Chhattisgarh for signing of contract agreement within 28 days of the issue of LOA. Format of contract agreement is enclosed as **Annexure-III**. The stamp papers of the requisite value as per the prevailing laws shall be provided by the contractor at his own cost. Original agreement shall be retained by the Employer/ Engineer and a certified copy shall be made available to the contractor.

9.0 Deployment of Engineers (SCC Clause no 14)

9.1 The Contractor shall provide and keep on the works, during the execution of the works, efficient and competent Engineers to ensure that the work is executed strictly as per provisions of the Contract. It shall be the obligation on the part of the Contractor to provide the following minimum Engineering staff at site:

SURENDE
R SINGH

Digitally signed by
SURENDER SINGH
Date: 2024.03.14
13:08:16 +05'30'

Sn	Position/Qualification	Minimum Requirement
1	Project Manager – Graduate/ Diploma Engineer having minimum experience of 10/15 years in P-way track linking works and/or Earthwork and / or bridge work for railway projects.	1 No.
2	Site Engineer (Civil) – Graduate / Diploma Engineer having minimum experience of 3/5 years in in P-way track linking works.	1 No.
3	Site Engineer (Civil) – Graduate / Diploma Engineer having minimum experience of 3/5 years in Concrete works Concrete works for railway/highway Bridges and/or Structural steel works for railway bridges.	1 No.
4	Site Engineer (Civil) – Graduate / Diploma Engineer having minimum experience of 3/5 years in construction of Railway formation.	1 No.
5	Engineer (Survey, Planning & Quantity Survey) – Graduate / Diploma Engineer with Minimum of 3 years relevant experience	1 No.
6	Engineer (Quality Control, Environment & Safety) – Graduate / Diploma Engineer with Minimum of 3 years relevant experience	1 No.
7	Site Engineer (Electrical) – Graduate / Diploma Engineer having minimum experience of 3/5 years in General Electrical Works.	1 No.

In addition to the above, requisite number of staffs for testing and other supervisory staff shall be deployed by the Contractor. Contractor should deploy one survey team with requisite equipment's for planning, marking layout and checking alignment, levels etc during construction.

- 9.2** In case, the Contractor fails to deploy sufficient Engineers as described above, the Engineer/ Employer shall be entitled to recover the following amounts from the dues of the Contractor:

1	Non-Deployment of Project Manager.	Rs. 1,50,000/- per month per person or part thereof
2	Non-Deployment of Quality / Site Engineer/ Planning Engineer/Surveyor	Rs. 70,000/- per month per person or part thereof

- 9.3** Also, in case of failure of contractor to provide Project Manager/Engineers, IRCON reserves the right to engage them of its own out of the penal amount recovered as per above rate against specific category.

10.0 Inspection Vehicles and site office (SCC clause No.3.6):

- 10.1** You will provide **02 (Two) no. inspection vehicle (Model- Mahindra XUV 500 - 01 No & Mahindra Scorpio / TUV or similar- 01 No) in good condition (model not older than 03 years)** for site movement of Engineer or Engineer's representative and bear all expenditure in this regard including running cost up to 4000 km/month/Vehicle or Cumulative 50,000Km/year/Vehicle during the entire period of contract till completion of work including time extension, if any, and issue of certificate thereof.

Out of above 02 vehicles, 1 vehicle (Model- Mahindra XUV 500) to continue during Defect Liability Period (DLP) with same terms and conditions as stated above.

In case, the vehicles are not provided by the contractor, it will be hired from open market and charges will be recovered from the contractor's bills/dues as decided by the Engineer.

10.2 Site office: (SCC Clause No 3.7)

You will set up reasonably furnished site office at one location (as decided by Engineer) with in project reach with office of about **60 sqm** by hiring a building or by erecting temporary building/Pre-fab-building with the proper electric arrangement, water supply and sanitary fittings with good roofing & flooring for the exclusive use of the Engineer.

You will also provide **02 bell boys in office for official working in the site office for entire contract period including defect liability period**. In case, the office and/ or bell boys are not provided by the contractor, suitable recovery at the prevailing rate of state Govt's minimum wages per bell boy per month or part there off will be made from the contractor's bills/dues towards compensation of cost against these arranged by IRCON. Location of site offices will be decided by the Engineer.

11 Security Deposit/ Retention Money/EMD.

Retention money will be recovered from on account/final bills as per clause no. 13.2 of Special Condition of contract and 8.2 of GCC.

12 You are advised to mobilize the resources to commence the work immediately. Please contact the project office, address-IRCON INTERNATIONAL LIMITED, 1st Floor, North Avenue, Takhatpur Road, Uslapur, Bilaspur, Chhattisgarh-495001 or **the undersigned for further instructions.**

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

13.1 Priority of document shall be as per clause No. 1.0 of SCC.

13.2 As per clause No 07 of integrity pact (enclosed as Annexure VI to ITT), the legal jurisdiction for this contract shall be New Delhi.

14 This letter of acceptance, along with your submitted offer, shall constitute a binding contract between **M/s Hill Brow Metallics & Construction Pvt Ltd** and **Ircon international limited**, till a formal agreement is drawn and executed.

15 **This letter being issued in duplicate. You are requested to return one copy of this letter of acceptance duly accepted, signed & stamped on each page by your authorized representative.**

16 **You are requested to commence the work immediately.** The entire work shall be completed within a period of **18 months including monsoon period** from the date of issue of this LOA i. e. **14.09.2025.**

Thanking you

Encl: Annexure-I (BOQ)
Annexure-II (PBG Format)
Annexure-III (Format of contract Agreement)

Yours faithfully,
For and on behalf of
Ircon international limited

SURENDE
R SINGH
(Surender Singh)
Project Director/CGRP

Digitally signed by
SURENDER SINGH
Date: 2024.03.14
13:07:53 +05'30'

Copy for information and necessary action please:

ED/Civil/CSPGCL, CGM/CGRP, GM/Finance, GM/Civil/Raigarh, AGM/Civil/P&C

ANNEXURE-I

Name of Work: Civil Works including Earthwork and Blanketing for railway formation, Minor Bridges, Major Bridges, ROBs, earth retaining wall, all types of Service Buildings, Track linking works (including supply of sleepers, Ballast and Rails) and General Electrification Works for the Establishment of Private Railway Siding of CSPGCL - taking off from CERL Line for Transportation of Coal from GP-III Coal Block by developing a crossing station near Milupara, between Gharghoda– Gare Pelma Section (Ch. Km 22.456 to Km 24.528 from Gharghoda/CSB) at Gare Pelma-III (5 MTY) Mines, Raigarh Area of CSPGCL.

ABSTRACT OF BILL OF QUANTITIES

Sl.No	Schedule	Description	Basic Amount (Rs)
1	Schedule-A	Earthwork in Formation (Earthwork & Blanketing)	24,17,55,585.91
2	Schedule-B	Bridge Work (Other than steel items)	12,68,73,095.56
3	Schedule-C	Steel items	8,61,15,577.65
4	Schedule-D	Road Works	2,21,42,863.47
5	Schedule-E	P.Way Works all in complete	8,86,66,745.54
6	Schedule-F	Supply of Rails	3,93,25,000.00
7	Schedule-G	Station Buildings, Quarters & Platform Works (CIVIL)	1,93,09,259.29
8	Schedule-H	Other items of work not covered by above schedules (Section "Z" of SECR-SOR-Vol-01, 2006)	27,97,000.00
9	Schedule-I	Other items of Work not covered by above schedules (SECR-USSOR-2021)	3,21,54,659.25
10	Schedule-J	General Electrical Works	12,95,724.00
	Total Basic amount		66,04,35,510.67
	GST @ 18%		11,88,78,392.00
	Total Estimated Cost (Rs.)		77,93,13,902.67

Rate %/Below/Above/At Par : 10.89% /Below
Total Basic amount : Rs. 58,85,14,083.56
GST @ 18% : Rs. 10,59,32,535.04
Total Awarded Value : **Rs.69,44,46,618.60** (Rupees Sixty Nine Crore Fofrty Four Lakhs Forty Six Thousand Six Hundred Eighteen and Sixty Paise only) **including GST**

SURENDER SINGH
(Surender Singh)
Project Director/CGRP

Digitally signed by SURENDER SINGH
Date: 2024.03.14 13:08:50 +05'30'

BILL OF QUANTITIES:

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
	<u>SCHEDULE (A) : Earthwork in Formation (Earthwork & Blanketing)</u>				
1	Earthwork in filling in Embankment Fill and Top Layer of formation including trolley refuges etc. with earth of approved quality as per "Comprehensive guidelines and specifications for Railway Formation" Specification No. RDSO/2020/GE:IRS-0004 September-2020, Corrected upto ACS No.1 issued by RDSO, Lucknow (with latest amendments upto date correction slips) including all leads, lifts, ascents, descents, site clearances, setting out and demarcation of profile, benching, initial compaction of subsoil after levelling the surface after site clearance, spreading loose earth in 30CM layers using grader up to extra width of 0.5 M beyond designed profile, compaction (mechanical Means) using vibratory compactors so as to achieve in-situ dry density not less than 98% of MDD, top and side dressing and removal of extra earth from sides to provide final formation as a complete job as per RDSO Guidelines & designed profile. The rate shall include cutting of trees with girth up to 30 cm and separate payment will be made for cutting of trees if girth is more than 30 cm. The minimum Ev2 Criteria as mentioned in the guidelines is not applicable. Work shall be executed in strict compliance of "Comprehensive guidelines and specifications for Railway Formation" Specification No. RDSO/2020/GE:IRS-0004 September-2020, Corrected upto ACS No.1 issued by RDSO, Lucknow (with latest amendments upto date correction slips). The rate includes royalty/taxes, all Labour, tools/Plants etc.				
a.i	With contractors earth of approved	cum	3,41,341.6	220.89	75398946.02

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
	quality and specification from outside railway land		0		
(b)	with suitable material available at site from excavation (Item 2 of Sch-A and Item 1 of Sch-B) with all leads & lifts	cum	7,16,896.60	37.93	27191888.04
2	Earthwork in excavation by mechanical means (Hydraulic excavator) in cutting in formation, trolley refuges, side drains, yard drains, catch water drains, etc. including leading usable cut spoils and utilise it for formation in filling (as per Item 1(b) above) and disposal of surplus unsuitable earth, site clearances, setting out and demarcation, lift, ascents,descent, loading, unloading, tools & plants, Royalty/all taxes, bailing/pumping out of water and all incidental charges as per specifications of Item 1 above, disposing off surplus unusable cut spoils with all lead as per directions of the Engineer incharge and top & side dressing to providing final formation as per designed profile. The rate shall not include cutting of trees with girth above 30 CM, which shall be paid separately. Note: 1. Rock spoils such as stones, boulders, pebbles, gravels, etc available from excavation, if are found suitable for use in works as per required specifications even after modifications etc., can be used free of cost but the legally payable royalty and taxes are to be paid by the contractor to the concerned authorities. 2. Rain cuts, slips and washings in the cutting and side drains will have to be cleared/rectified manually/mechanically and no extra cost will be payable. 3. Contractor has to arrange suitable land for disposal/stacked of unusable excavated material from cutting at his own cost.				
a)	Soil excluding rock	cum	716896.60	134.02	96078482.33
b)	soft Rock with UCS 1.25 MPa to 12.5	cum	9933.20	191.99	1907075.07

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
	Mpa, not requiring blasting				
c)	Hard rock with UCS more than 12.5 MPa requiring blasting but blasting not permitted, hence to be excavated by chiselling. Note:- 1- in case blasting is permitted accepted basic rate will be reduced by 10%.	cum	4966.60	536.77	2665921.88
3	Extra for making trolley refuges in cutting or filling by manual finishing, ramming, making up for extra volume of earth in cutting or filling, repair till handing over as per standard drawings.	Each	21.00	353.87	7431.27
4	Extra for manually finishing unlined side drains.	RM	1740.00	17.37	30223.80
5	Filling suitable, well graded contractor's coarse sand of approved quality in weak formation/ sandwich construction in Embankment, in layers not exceeding 300 mm depth in loose state, in the entire width of the formation in cutting, below or above natural ground level, or as directed to dimension and slopes shown in cross section sheets or as directed by the Engineer in charge with Compaction by Vibratory Roller up to the required relative density (min.70% of the relative density obtained as per IS:2720 part.IV-1983) as a complete job.	cum	15732.10	939.02	14772756.54
6	Turfing/planning. Including all leads and lift, and watering as required until properly rooted with. Note- Initially payment of only 40% will be made. Balance 60% will be paid only after 3 months of maintenance period if the turfing is properly rooted.				
a)	Turfing with sods 10cm thick and 20cm square closely laid	sqm	71117.07	18.29	1300731.21
7	Providing and laying blanketing materials of specifications as per latest RDSO Guidelines and Specifications and procedures by spreading in layers not exceeding in 30 cm in loose state and leveling by graders and compaction using vibratory compactors, including all	cum	41218.27	543.50	22402129.75

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
	leads, lift, ascent/descent, loading, royalty/taxes, octroi, tools and plants, testing charges, top and side dressing to provide final formation as per designed profile as a complete job inclusive all other incidental charges. NOTE: 1) If naturally available materials do not meet the laid down specifications, blanket material has to be produced by mechanical process using mechanical crushing or mechanical blending method or combination of these two methods as given in "Comprehensive guidelines and specifications for Railway Formation" Specification No. RDSO/2020/GE:IRS-0004 September-2020, Corrected upto ACS No.1 issued by RDSO, Lucknow (with latest amendments upto date correction slips) . The quoted rates are deemed to include the production of material by mechanical process. 2) The filter criteria and minimum EV2 Criteria as mentioned in the guidelines is not applicable.				
	Total of Schedule - (A)				24,17,55,585.91
	<u>SCHEDULE (B): Bridge Work (Other than steel items)</u>				
1	Earth work in excavation in foundation of bridges/structures by mechanical means (hydraulic excavation) to desired profile including ramming of bottom, backfilling, compaction of back fill, getting out excavated usable surplus materials and utilise it for formation in filling (as per Item 1(b) of Schedule-A) and disposal of surplus unsuitable soil as per directions of the Engineer in charge. The rate inclusive of all labour, material required, manual work for achieving desired profile, wet excavation, shoring, strutting, trenches and leading the surplus unsuitable soil to any other place as directed by Engineer incharge with all lead, lift, Ascent, descent , loading, un-loading ,tools & plant and				

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
	removing slush, making protection bunds for diverting water wherever necessary, pumping out/balling out water with contractor's pump or by any other means complete as required. Note: 1. Rock spoils such as stones, boulders, pebbles, gravels, etc available from excavation, if are found suitable for use in works as per required specifications even after modifications etc. can be used free of cost but the legally payable royalty and taxes are to be paid by the contractor to the concerned authorities. 2. Rain cuts, slips and washings in the cutting and side drains will have to be cleared/rectified manually/mechanically and no extra cost will be payable. 3. Contractor has to arrange suitable land for disposal/stacked of unusable excavated material from cutting at his own cost.				
a)	Soil excluding rock	cum	11777.10	247.01	2909061.47
b)	All type of Rock	cum	3868.95	261.25	1010763.19
2	Providing and laying of Levelling Course (P.C.C M-15) cement concrete in foundation and flooring using well graded stone aggregate of 20 MM normal size, Corrective course of flooring etc with all required Labour and material including cement, royalty, taxes, leads, lifts, ascent/descent, loading, un-loading, shuttering, shoring, strutting, curing, pumping out/balling out water from foundations where required, fuel electricity etc as a complete job as per Direction of Engineer incharge..	cum	200.00	4,712.19	942438.00
3	Providing and laying Design mix concrete M20 in toe wall, drain, retaining wall wing walls, return wall of Box, RUB, Abutment etc. using well graded stone aggregate of 20MM nominal size as per direction of Engineer- in-Charge. The rate is inclusive of cement, all labour and	cum	100.00	4,956.47	495647.00

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
	other required material, royalty taxes, leads, lifts, Ascent/descent, loading, un-loading, centring and shuttering, shoring, strutting, curing pumping out/balling out water where required, fuel, electricity etc as a complete job as required .(Rate Excluding steel reinforcement)				
4	Providing and laying Design mix concrete M25 in coping and wearing course works and other miscellaneous works, etc. using well graded stone aggregate of 20MM nominal size as per direction of Engineer- in-Charge. The rate is inclusive of cement,all labour and other required material, royalty taxes, leads, lifts, Ascent/descent, loading, un-loading, centring and shuttering, shoring, strutting, curing pumping out/balling out water where required, fuel, electricity etc as a complete job as required.(Rate Excluding steel reinforcement)	cum	4319.80	5,195.44	22443261.71
5	Providing and laying Design mix control concrete M30/M35 in cast-in-situ RCC works in foundation of bridges, pile cap, approach slab, bottom slab of RCC boxes, foundation of retaining walls/wing walls and other miscellaneous works, etc using well graded stone aggregate of 20 MM nominal size as per direction of Engineer incharge. The rate is inclusive of cement,all labour and other required material, royalty taxes, leads, lifts, Ascent/descent, loading, un-loading, centring and shuttering, shoring, strutting, curing pumping out/balling out water where required, fuel, electricity etc as a complete job as required . (Rate Excluding steel reinforcement)	cum	15370.80	5,446.14	83711528.71
6	Applying two coats of coal tar or bitumen confirming to IS 3117 - 1965 on the top and sides of RCC box/slabs @1.70 kgs/sqm after cleaning the surface with all labour and materials complete job as directed by the engineer.	sqm	2000.00	149.09	298180.00

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
7	Providing and laying boulder backing behind abutment, wing wall, boxes, return wall, etc. with all leads, lifts, Ascent/descents, labours, material, tools & plants royalty/taxes, octroi etc all as a complete job as per drawing & direction of Engineer in charge. The boulder backing shall be as per IRS Bridge & Sub-Structure Code/IRC 78/relevant RDSO guidelines and as per direction of Engineer in Charge.	cum	2712.13	1,425.26	3865490.40
8	Providing and laying Filter Material as per RDSO Specifications underneath pitching in slopes complete as per drawing and Technical Specification with all leads, lifts, Ascent/descents, labours, material, tools & plants royalty/taxes, octroi etc all as a complete job as per direction of Engineer Incharge.	cum	200.00	3,390.00	678000.00
9	Providing and laying backfill material behind abutments, wing walls, return walls, below stone pitching, etc with all leads, lifts, Ascent/descents, labours, material, tools & plants royalty/taxes, octroi etc all as a complete job. The back fill material shall be as per IRS Bridge & Sub-Structure Code/IRC 78/relevant RDSO guidelines and as per direction of Engineer in Charge	cum	10000.00	577.80	5778000.00
10	Providing and laying pitching with stone boulders weighing not less than 35 kg each with the voids filled with spalls on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embankment etc. as a complete job as per drawing and technical specifications. (filter media to be paid separately under the relevant item)	cum	520.00	1,106.23	575239.60
11	Providing and laying pitching with stone boulders weighing not less than 35 Kg each with the voids filled with cement sand mortar 1:4 on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embankment etc with all leads, lifts,labours, material, tools & plants, Ascent/descents,	cum	1438.00	1,628.70	2342070.60

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
	royalty/Taxes, octroi etc complete job as per drawing and as directed by Engineer incharge. (Filter media to be paid separately under the relevant item).(Rate includes cost of cement).				
12	Supply and filling of coarse sand in foundations for boxes and in case of loose slush is encountered at site of Foundation and before laying the filter media with contractors material and labour including its compaction and watering with all lead lift ,taxes, royalty etc. Complete in all respect as per instruction of Engineer-in-charge.	cum	1000.00	601.88	601880.00
13	Random rubble masonry (CM 1:6) with hard stone for toe wall, including cost of all materials including cement , labour, tools, plant all leads and lifts, curing etc complete as per specifications and as directed by engineer-in-charge	cum	500.00	1,738.85	869425.00
14	Providing and fixing of 80/100 mm dia PVC pipe for weep holes in abutments, wing walls, return walls, face wall, retaining wall etc at suitable intervals with all leads, lifts, Ascent/descents, ascents etc with contractor's labours, material tools & plants as per drawing and as directed by Engineer. The weep holes shall be measured in running meter. The rate shall be inclusive of cleaning of weep holes.	meter	2326.00	151.38	352109.88
	Total of Schedule - (B)				12,68,73,095.56
	<u>SCHEDULE (C): Steel items</u>				
1	Structural steel work welded in built up sections, trusses and framed work, girders, stagings, racks, etc including cutting, bending, straightening, hoisting, fixing in position, including applying a priming coat of approved steel primer (red oxide zinc chromate) and two coats of Aluminium paint, complete-up to 6m height above GL				
a)	In RSJ, tees, angles and channels /Flat, plates	MT	15.00	86,848.75	13,02,731.25
2	Providing and fixing M.S. round holding down bolts with nuts and washer plates complete	MT	0.75	79,835.63	59,876.72

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
3	Supply TMT Fe500 reinforcement steel conforming to IS: 1786-2008 including decoiling, straightening, cutting, bending, hooking as per procedure specified in IS 2502, placing in position, binding with 1MM dia. G.I. binding wire. Note: Reinforcement, shall be measured in length for different diameters used in the works and then paid as per standard weights as per IS 1732. Wastages, overlaps, coupling, welded joints, spacebars, chairs and binding wire shall not be measured and cost of these items shall be deemed to be included in the rates.	MT	1194.10	70,976.68	84752969.68
	Total of Schedule - (C)				8,61,15,577.65
	<u>Schedule (D) :Road Works</u>				
1	Construction of sub-grade with Material Obtained from Borrow Pits/Borrow Area (Construction of sub-grade with approved material/selected soil having C.B.R.>8 (unless specified otherwise in the contract) obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement of table 300-2 as a complete job.the rate includes Royalty,octroi, taxes etc, labour machine & Plants,handling/unhandling leads and lifts etc all.	cum	4200.00	289.46	1215732.00
2	Granular Sub-base as per Table:- 400-1 Construction of granular sub-base by providing graded Material, , carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface watering, rolling and compacting with vibratory power roller at OMC to achieve the desired density, complete as per clause 401 as per MORTH specifications.				
A	Plant mix method (with Mechanically crushed stone only)				
(a)	For Lower Sub-base with				
(i)	Grading-IV Material	cum	3600.00	1,677.51	6039036.00

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
3	Wet Mix Macadam (Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density as per clause 406 as per MORTH specifications.)	cum	1740.00	1,649.89	2870808.60
4	Prime coat : (Providing and applying primer coat with oil based bitumen emulsion (SS-1, grade confirming to IS:8887) on prepared surface of granular Base including clearing of road surface and spraying primer using mechanical means as per clause 502 as per MORTH specifications.)				
	(i) on WBM/WMM surface @0.85 Kg/sqm.	sqm.	6000.00	70.92	425520.00
5	Dense Bituminous Macadam (Providing and laying dense bituminous macadam with minimum 40-60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder @ 4.0 to 4.5% by weight of total mix of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No.505 complete in all respects as per MORTH specifications.)				
A	With sensor paver finisher				
(i)	for Grading-II(26.5 mm nominal size bitumen content 4.50%)	cum	636.00	9,029.31	5742641.16
6	Tack coat Providing and applying tack coat with bitumen emulsion (RS-1, grade confirming to IS:8887) using emulsion pressure distributor on the prepared bituminous/granular surface	sqm.	12000.00	16.62	199440.00

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
	cleaned with mechanical broom and as per clause 503 as per MORTH specifications. (i) Bituminous surface @ 0.25 kg /Sqm				
7	Bituminous Concrete (Providing and laying bituminous concrete with minimum 40-60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder @ 5.0 to 6.0% by weight of total mix of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects)				
A	With sensor paver finisher				
(i)	for Grading II (13.2 mm nominal size) with bitumen 6.0 %	cum	303.00	11,183.57	3388621.71
8	Type - A, "W" : Metal Beam Crash Barrier (Providing and erecting a "W" metal beam crash barrier comprising of 3 mm thick corrugated sheet metal beam rail, 70 cm above road/ground level, fixed on ISMC series channel vertical post, 150 x 75 x 5 mm spaced 2 m centre to centre, 1.8 m high, 1.1 m below ground/road level, all steel parts and fitments to be galvanized by hot dip process, all fittings to conform to IS:1367 and IS:1364, metal beam rail to be fixed on the vertical post with a spacer of channel section 150 x 75 x5 mm, 330 mm long complete as per clause 811.3 as per MORTH specifications)	meter	800.00	2,826.33	2261064.00
	TOTAL OF SCHEDULE (D)				2,21,42,863.47
	SCHEDULE (E) -P Way works				
	SCHEDULE (E1) - Supply of P-way items excluding Rails, Sleepers and Ballast				

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
1	Supply of full set 1 in 12, 60kg points and crossings as per RDSO Drg. No. T-6154 turnout, T-6155 thick-web switch-sub assembly , T-4220 crossing-sub-assembly and CMS crossing T-3940/1 (all drg. with upto date alterations), with fittings & fastenings including GR pads, check rails, 1 m long fish plates with bolts etc for complete layout of 1 in 12 turnout with thick web switches. The rate includes cost of all materials, loading, transportation, unloading, staking at designated stores/ work sites, all taxes, inspection charges etc. complete but rate does not include cost of PSC sleepers and rail for lead rails.	Set	2	16,65,608.65	3331217.30
2	Supplying of derailing switch (1 in 8 1/2) including GR Pads, fitting & fastenings for BG 60kg rail section for use with 60Kg PRC sleepers to Drg. No. RDSO/T-6068 or as per the latest applicable RDSO Drawing with latest alteration as per RDSO specification including transportation to work site. Rate shall include all type of taxes, inspection charges, freights, insurance, packing, loading, unloading with all lead , lift, contractors labour, machineries tools & plants etc. complete but rate does not include cost of PSC sleepers.	Set	6	3,36,955.80	2021734.80
3	Supply of full set of 60 Kg 1 in 8 1/2 point & crossing to RDSO assembly drg no. T-4865 & sub assembly to RDSO drg no. T-4966 and T-4967 (all drawings with upto alterations) with all fittings & fastenings, curve switches, CMS crossing, Check rails, 1 m lang fish plates, fish bolts & nuts, GRSPs. The rates includes the cost of all materials loading transpotation, unloading staking at designated store/worksites all taxes inspection charges etc. complete, but rate does not include cost of PSC turnout Sleepers shall be issued by IRCON free of cost and the same shall be collected by contractor from the store at project site and	Set	6	9,90,804.79	5944828.74

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
	transported at contractor's cost.				
4	Supply of Fish bolts with nuts to RDSO Drg. No.T-1899 and conforming to specification No. IRS T-23-1967 & Corrigendum No. 5 of October 1987, with single coil spring washer to RDSO Drg No. T-10773. The rate shall inclusive of transportation to work site, all taxes, inspection charges, freights, insurance, packing, loading, unloading with all lead , lift, contractor's labour, machineries, tools & plants etc complete.	Each	600	88.58	53148.00
5	Supply of Fish plates of one meter long for 60Kg rail as per standard drawing RDSO Drg. No.T-5916 /T-5851 or any latest version drawing issued by RDSO & Conforming to IRS specification No. T-1-1966 and corrigendum of November, 2009. The rate shall inclusive of transportation to work site, all type of taxes, inspection charges, Freights, insurance, packing, loading, unloading with all lead , lift, contractors labour, machineries tools & plants etc. complete.	Pair	60	5,102.70	306162.00
6	Supply of Fish plates to DrgNo:T-1898 for 60 Kg Rail, 610 mm long and conforming to IRS specification No:T-1-1966 & corrigendum No: 8 of July 2008 with latest alteration & amendment. The rate shall inclusive of transportation to work site, all type of taxes, inspection charges, freights, insurance, packing, loading, unloading with all lead , lift, contractor's labour, machineries tools & plants etc complete. (One set includes two fish plates).	Pair	40	2,775.42	111016.80
7	Supply of Screw Clamps for fish plates as per RDSO Drg No. T-5856. The rate shall inclusive of transportation to work site, all type of taxes, inspection charges, freights, insurance, packing, loading, unloading with all lead, lift, contractor's labour, machineries tools & plants etc. complete.	Each	50	1,685.76	84288.00

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
8	Supply and fixing of joggled fish plates for 60kg AT Weld as per RDSO Drawing No. T-5849(Alt-1). with 04 Bolts, nuts and washers, Drilling holes of 32mm dia with Rail drilling machine in 60kg railsection including all consumables, Chamfering of drilled holes as per RDSO Specifications for all types of Rails, The rate shall inclusive of transportation to work site, all type of taxes, inspection charges, freights, insurance, packing, loading, unloading with all lead , lift, contractor's labour, machineries, tools & plants etc. complete.	Set	50	5,491.73	274586.50
9	Supply of Elastic Rail Clips to RDSO Drg. No. T-3701 and conforming to specifications (IRS T-31-1992) & corrigendum No. 2 of Apr 1999. The rate shall be inclusive of transportation to work site, all type of taxes, inspection charges, freights, insurance, packing, loading, unloading with all lead, lift, contractor's labour, machineries, tools & plants etc. complete.	Each	46000	88.79	4084340.00
10	Supply of GFN liners to RDSO Drg. No. T-3706 & conforming to IRS specifications No. T-44-1995, corrigendum No.03 of 2010. The rate shall be inclusive of transportation to work site, all type of taxes, inspection charges, freights, insurance, packing, loading, unloading with all lead, lift, contractor's labour, machineries tools & plants etc complete.	Each	23000	17.58	404340.00
11	Supply of Grooved Rubber Sole Plate to RDSO Drg No. T-6618 and conforming to IRS specification T-47-2006 & Corrigendum No -1 of June 2007. The rate shall inclusive of transportation to work site, all type of taxes, inspection charges, freights, insurance, packing, loading, unloading with all lead , lift, contractor's labour, machineries tools & plants etc complete.	Each	23000	57.52	1322960.00

SURENDER SINGH Digitally signed by SURENDER SINGH
Date: 2024.03.14 13:11:34 +05'30'

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
12	Fabrication and supply of G3(L) type glued insulated rail joints of UIC 60kg to RDSO Drg.No. T-2572 conforming to the specifications as detailed in the manual for Glued Insulated rail joints (revised 1998) as per amendment & corrigendum No.5 of July 2012. The rate shall be inclusive of transportation to work site, all type of taxes, inspection charges, freights, insurance, packing, loading, unloading with all lead, lift, contractor's labour, machineries, tools & plants etc complete including cost of the rail 60Kg UIC 90UTS Prime quality.	Each	80	54,843.56	4387484.80
13	Supply of Metal Liners at site to RDSO Drg. No. T-3740 conforming to IRS specifications, provisional 1995 amended 2001. The rate shall be inclusive of transportation to work site, all type of taxes, inspection charges, freights, insurance etc. and packing, loading / unloading with all lead , lift, contractors labour, machineries, tools & plants etc complete.	Each	23000	29.86	686780.00
14	Supply of End Cut Metal Liners to RDSO Drawing No.3740 duly cut by 20mm as per RDSO Drawing No T-4511 conforming to IRS specifications, provisional 1995 amended 2001. The rate shall be inclusive of transportation to work site, all type of taxes, inspection charges, freights, insurance, packing, loading, unloading with all lead, lift, contractors labour, machineries tools & plants etc complete.	Each	400	25.55	10220.00
15	Supply of Elastic Rail clips 'J-type' to RDSO Drg. No. T-8258 and conforming to specifications (IRS T-31-1992) & corrigendum No 2 of Apr 1999. The rate shall be inclusive of transportation to work site, all type of taxes, inspection charges, freights, insurance, packing, loading, unloading with all lead, lift, contractors labour, machineries tools & plants etc. complete.	Each	400	97.21	38884.00

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
16	Supply of End cut GFN liners for 60 Kg conforming to RDSO Drg. No. T-3706 with latest alteration & conforming to IRS specifications No. T-44-1995 corrigendum No.03 of 2010 or latest alternation. The rate shall inclusive of transportation to work site, all type of taxes, inspection charges, freights, insurance, packing, loading, unloading with all lead , lift, contractor's labour, machineries tools & plants etc. complete. (end cut to be done for glued joint as per RDSO Drawing No-T-4511 with latest alternation complete)	Each	400	28.90	11560.00
17	Supply of rail seat assembly for provision for check rail in curve as per the latest revision of RDSO drawing to suit for 52 kg check rail & 60 kg running rail with all fittings. The rate shall inclusive of transportation to work site, all type of taxes, inspection charges, freights, insurance, packing, loading, unloading with all lead , lift, contractor's labour, machineries tools & plants etc complete.	Each	500	788.89	394445.00
	Total of SCHEDULE (E1)				2,34,67,995.94
	Note: Supply shall be taken only from RDSO approved Vendore unless approved / specified otherwise.				
	<u>Schedule (E2) :Supply Of Ballast</u>				

SURENDER SINGH

Digitally signed by
SURENDER SINGH
Date: 2024.03.14
13:12:02 +05'30'

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
1	Supplying and stacking of machine crushed clean, hard, angular and durable Stone Track Ballast 50 mm size (65 mm to 20 mm well graded) confirming to latest RDSO Track Ballast specification (2023) & with latest corrections/ amendments etc. Stacking of ballast to be done along the alignment at or near toe of the embankment, or in cutting ,top of embankment or cutting or any suitable designated places as advised/Directed by Engineer-in charge. The rate includes supply, levelling the stacking area/space, supply the ballast, labour, tools, all types of transportation, unloading, stacking, leads, lifts, handling, rehandling, ascends, descends, crossing of tracks and ant other obstuctions etc., sieve analysis, charges for testing the quality of ballast at the reputed labs, all taxes, royalty, cess and seinorages etc. No deduction will be made on stack measurement for shrinkage as specified in technical specification. The contractor will make ground level to enable levels being taken by the Engineer-in - charge at site prior to stacking.	CUM	11500.00	1,848.38	2,12,56,370.00
	Total of Schedule (E2)				2,12,56,370.00
	Notes				
i	The Ballast should be supplied by the contractor should confirm to the condition laid down vide railway ballast specifications, February-2023 and testing as per IS: 2386 Part-IV for impact test and abrasion test & IS: 2386 Part-III-1963 for water absorption test with latest correction slip.				
ii	The size of ballast , stacking of ballast on ground, measurement of ballast stacks and payment conditions should comply strictly as per RDSO specification for materials and work issued by IRCON at				
iii	Dumping of ballast should be even as instructed by Engineer -in -charge/				

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
	Consultation/Employer at site.				
iv	The quantities given above are indicative and may vary during execution of work so needed to be supplied at the accepted rates.				
	Schedule (E3) (Supply Of Sleepers)				
A	PSC Sleepers				
1	Manufacturing, supplying, transportation & stacking of prestressed Mono-block concrete sleeper (pre-tensioned type) for broad gauge (1673mm) as per RDSO's drg. No. T 2496 to suit 60 kg UIC Rail as per RDSO design and IRS Specification no.-T-39-85 (Fifth Revision February 2016) as amended/latest alteration up to date including all taxes and after inspection as per decision & direction of Engineer-in-charge. Note: Loading, transportation and unloading of PSC sleepers by road engaging contractor's own truck/tractor/tractor/trailer, labour, tools, equipments & fuel including all lead lift descent, crossing lines, stacking etc. complete as per direction of engineer-in-charge no extra payment against Transportation is payable.	Nos.	6400.00	3,723.28	23828992.00
2	Manufacturing and supply of 60 kg BG PSC sleepers in curves as per RDSO Drg. No. as given below as per IRS T- 39-1993 corrigendum No. 4 Ocy-2003. The rates shall inclusive transportation to work site, all types of taxes, inspection charges, freights, insurance etc. and packing loading/unloading, with all lead lifts contractors labour machineries tools and plants etc.complete.				
2.1	As per RDSO Drg. No. T-6896	No	80.00	3,836.08	306886.40
2.2	As per RDSO Drg. No. T-6897	No	80.00	3,836.08	306886.40
2.3	As per RDSO Drg. No. T-6898	No	80.00	3,836.08	306886.40
2.4	As per RDSO Drg. No. T-6899	No	280.00	3,836.08	1074102.40
3	Supply of BG PSC turnout sleepers 60 Kg,1 in 12 Fan shaped layouts including approach and exit sleepers	Set	2.00	6,09,569.14	12,19,138.28

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
	and with long concrete sleepers (for fixing of hand operated lever box/point machine) as per RDSO Drg. No. T-4218/T-6154 and conforming to IRS specification T-45-1996 corrigendum no. 5 of dec-2002. The rate shall inclusive of manufacturing loading to contractors own vehicles,transportation to work site, unloading & proper stacking as per requirements including all type of taxes ,inspection charges, freights insurance etc. and packing loading /unloading with all lead lift contractors labour machineries tools and plants etc. complete.				
4	Supply of BG PSC turnout sleepers 60 Kg,1 in 8.5 Fan shaped layouts including approach and exit sleepers and with long concrete sleepers (for fixing of hand operated lever box/point machine) as per RDSO Drg. No. T-4865 and conforming to IRS specification The rate shall inclusive of manufacturing loading to contractors own vehicles,transportation to work site, unloading & proper stacking as per requirements including all type of taxes ,inspection charges, freights insurance etc. and packing loading /unloading with all lead lift contractors labour machineries tools and plants etc. complete.	Set	6.00	4,95,877.05	29,75,262.30
5	Manufacturing and supply Mono Block Concrete sleepers (PSC Type) for broad gauge for Derailing Switch as per RDSO's drawing No. T6068. Alt.III to suit 60 kg UIC and IRS Specifications no T-45-96 (second Revision May 1996)each set consist of 31 nos sleepers as per annexure III) duly amended in accordance with the recommendations made by Track standard committee a amended time to time latest alteration up to date including all taxes after inspection, loading transportation and unloading ,proper stacking at desired location at project site in corridor etc complete as	set	6.00	1,63,666.22	9,81,997.32

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
	per decision and direction of Engineer incharge.				
	Notes				
i	The suppliers shall submit "Inspection certificate" in original ,for the materials duly certified by the authorized inspecting agency i.e. RITES or other agency decided by Engineer Incharge for the items Sl.No.1,2,3,4,5				
ii	Final acceptance of materials shall be carried out by the Engineer incharge /consultant/client at site.if any material found defective at site shall have to be replaced by the contractor at his own cost and no extra payment whatsoever shall be paid in such events.				
iii	The materials may be inspected by engineer incharge /consultant/client at manufacturing site if required at contractors cost.				
iv	The rates shall be inclusive of all taxes insurance,inspection charges ,transportation ,loading unloading and stacking at site. No extra payment what so ever shall be paid on any account over above the acceptable rates.				
v	consignee for above materials shall be : M/s Ircon International Limited, Chhattisgarh.				
vi	All materials shall conform to the latest revisions of respective drawing numbers and specifications.				
vii	The quantities given above are indicative , the actual quantities may vary at the time of execution.				
viii	All materials mentioned above is required to be supplied at nominated storage depot to be established by contractor at his own cost along site facilities.				
	Total of Schedule (E3)				3,10,00,151.50
	SCHEDULE(E4): P. Way Linking and Connected work				

SUREN
ER SINGH

Digitally signed by
 SURENDER SINGH
 Date: 2024.03.14
 13:12:51 +05'30'

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
1	Leading and spreading of stone ballast by head /trolley/ tractor/ dumper or any other means from the stacks available at the ballast depot / on cess / formation / toe of the formation to the top of the formation and spreading the same on the formation and dumping the required balance quantity on side to enable to fill between the sleepers and to do dressing to obtain a compact and uniform specified profile as directed by the Engineer-in-charge. The rate includes all lead from ballast stacking point to work site, all taxes, loading, unloading, ascent, descent, lift, labour, tools, crossing of one or more railway lines if required. The cost of rolling will be paid separately vide item no. 2 of this schedule.	Cum	11500	179.66	20,66,090.00
2	Rolling of spread stone ballast with contractor's power driven roller of capacity 5 Tonne or above with minimum three passes in a width of about 4.72m to 5.0 m or as directed by Engineer in-charge to obtain a compact and uniform level surface of ballast spreaded vide item no. 1 above.	Per SQM	16800	3.08	51,744.00
3	Laying of new Broad Gauge P. Way track with 52kg/ 60kg rail on 52kg /60kg PSC sleepers on formation / ballasted deck bridges/ curve/ yards in straight line or curve, with IRCON's Rails and PSC sleepers (including special PSC sleepers meant for ballasted deck bridges and level crossings, curves etc) with their complete fittings such as grooved rubber pads, metal liners / GFN liner, ER Clips, J-Clips, Bolts, Screws etc at specified sleeper density of 1660 per km suitable for FP/SWR/LWR tracks with initial through packing and lifting of track in stages as directed by Engineer in-charge to bring the ballast cushion of about 250 mm , correct longitudinal profile and	Tr.KM	3.85	4,54,952.91	17,51,568.70

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
	cross levels within tolerances as specified for making track fit for introduction of tamping machine, running of ballast trains. The rate includes all free lead, lift, loading, unloading, ascent, decent, removal of kinks in rails by hydraulic Jim crow, cost of contractor's labour, tools & plants, equipment, all taxes and all other incidental charges etc complete. Note-1 The rate includes all lead and cost of transportation of Rails, Sleepers and Misc. P way Fittings to work site. Note-2 The rate does not iclude cost of spreading of ballast and greasing of ERC and liners. Note-3 for sleeper density 1540 per KM the accepted rate will be reduced by 8%.				
4	Providing through packing by manual packing of newly laid tracks on straight or curve with any sleeper density to a good geometry to confirm to specified alignment & level and other track parameters including squaring of sleepers, slewing of tracks to correct alignment, gauging, tightening of fittings, lifting of tracks if required to obtain the required cross level, tamping below the sleepers & boxing to approved ballast profile with all tools & labours as complete job. Note-This item shall be operated only in case of non availability of Tamping machine as per item 5 of this schedule.				
a	1st through packing as per IRPWM	Track metre	3850	30.69	1,18,156.50
5	Providing and Operating Tamping Machine for tamping of newly laid BG track (in straight line & curves) as per railway standards and specifications as laid down in track machine manual and IRPWM. The rate is inclusive of providing of machine operating staff (crew), one watchman per machine and all	Track KM	14	62,374.57	8,42,056.70

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
	taxes, labours, tools & plants, insurance, incidental charges all complete. (Contractor has to arrange the tamping machine. If contractor desires , IRCON can assist in arranging machine (duomatic) at Actual cost claimed by SEC RAILWAY, BILASPUR CG /IISL per km + GST as applicable)				
6	Providing and Operating Tamping Machine for tamping of newly laid BG turnouts (1 in 12 , 1 in 8 1/2, 1 in 16) (in straight line & curves) as per railway standards and specifications as laid down in track machine manual and IRPWM. The rate is inclusive of providing of machine operating staff (crew), one watchman per machine, all taxes, labours, tools & plants, insurance, incidental charges all complete. (Contractor has to arrange the unimat machine. If contractor desires , IRCON can assist in arranging machine (Unimate) at Actual cost claimed by SEC RAILWAY, BILASPUR CG/IISL per Turnout + GST as applicable)	Per T/out	24	62,374.57	14,96,989.68
7	Carrying out pre tamping , during tamping and post tamping attention with tamping machine, reconditioning of tamping tool, and providing all consumables including HSD oil for attending the track which involves removal of ballast from sleeper top in tamping zone, heaping of ballast in tamping zone, squaring of sleepers, recoupment and tightening of fittings as required, boxing & compaction of ballast slopes and cribs to standard ballast profile as per P-way Manual and as directed by engineer in - charge . Rate is inclusive of contractor's labour, tools & plants etc. all complete. Note: 1. for the purpose of payment:				

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
	a. Length of turnout assembly, measured from stock rail joint to heel of crossing, shall be multiplied by 1.5 for conversion to equivalent ordinary track; and b. Derailing switches, bridges, level crossings, curves etc shall be considered as ordinary track. 2. Transfer of machines from the existing running lines to the place of work and back to the running lines after the work is over shall be done at contractor's expenses without payment of extra cost.				
a	For first round of tamping	Track metre	4500	34.21	1,53,945.00
b	For second and third round of tamping	Track metre	9000	23.95	2,15,550.00
8	Laying of 52Kg/60Kg points and crossings(Thick web/ curved switch) including intermediate portion of track with PSC layout to the Railway's specification including cutting of rails to required sizes, drilling of holes in rails, aligning, proper gauging, levelling, fixing slide chairs, bearing plates, check bolts, heel blocks etc., fixing the following and leading stretcher bars, switch anchors etc., and with initial packing with available packing materials at site and as directed by the Engineer in charge with all lead, lift, all taxes, tool, plants, equipment's, incidental charges etc complete. Note: Rate includes all leads and cost of shifting/transportation of turnout assembly/Rails to work site for complete job.		0		
a	1 in 12 points & crossings 52kg /60 Kg PSC layout	Set	2	70,473.75	1,40,947.50
b	1 In 8 1/2 point & corssing 52kg /60 Kg PSC layout	Set	6	68,497.13	4,10,982.78
c	Derailing switches 60/52 Kg PSC layout	Set	6	15,748.48	94,490.88

SURENDE
R SINGH

Digitally signed by
SURENDER SINGH
Date: 2024.03.14
13:14:15 +05'30'

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
9	Through packing of newly laid 52/60 Kg points and crossings involving opening of ballast, squaring of sleepers, re-alignment and tightening of rail and sleeper fastenings, aligning, levelling, lifting to provide standard ballast cushion packing and dressing ballast to the standards profile(with or without traffic block) as per IRPWM. The rate includes cost of contractor's labour, tools & plants, equipment's, all taxes and all other incidental charges etc complete. Note-This item shall be operated only in case of non availability of Tamping machine as per item6 of this schedule.				
a	1st to 3rd consolidation through packing as per IRPWM				
i	1 in 12 points & crossings PSC layout (Thick web/curved switches)	Per Set/packing	4	9,217.90	36,871.60
ii	1 In 8 1/2 point & corssing 52kg /60 Kg PSC layout	Per Set/packing	12	7,892.93	94,715.16
iii	Derailing switches 52 Kg PSC layout	Per Set/packing	12	5,555.11	66,661.32
10	Anti-corrosive painting of 60 kg/52 kg Rail as per IRPWM Manual for corrosive prone areas. Painting to be done prior to installation on sleepers including touching of paints in areas damaged during fixing. As per specification in Para 250(2) (b) of IRPWM.	Track metre	2000	68.46	1,36,920.00
11	Distressing of LWR/CWR track with 60kg/52 kg rails at appropriate rail temperature as described in LWR manual and as per direction of engineer including adjustment of gap of SEJ, squaring & correct spacing of sleepers disturbed during the work, including greasing of ERCs and inserts as per specification in Para 1411(5) of IRPWM.The rate is inclusive of all labour (Skilled/ semiskilled/unskilled) tools and plants complete and all applicable taxes. Payment for cutting of rails shall be paid separately	Track KM	2	26,798.08	53,596.16

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
	under relevant items.				
12	Cutting, transportation & fixing LWR reference posts, gate posts, curve posts etc made of IRCON's 90R/52Kg U/S rails as per direction of Engineer-in-charge. The rate includes cutting of rail to the required length, transportation, fixing with necessary excavation, concreting with 1:3:6 concrete with contractor's stone aggregate of 20 mm nominal size, sand of approved quality, Painting the rail surface and painting/writing of letters of Kilometre No. Curve reference as required etc.The rate also includes cost of materials including cement, labour, tools and plants etc. The size of pit is 30x30x60 cm. (Cost of cement & Steel will be paid under Schd-C)	Each	20	483.45	9,669.00
13	Fabrication and fixing of 52 kg check rail and rail seat assembly arrangement for check rail in curves as per the RDSO drawing No. T-4916, fixing all fitting CI brackets, bolts and nuts, spring washers and plate screw. Rate includes all taxes, labours leads, lifts, loading, unloading charges, collecting check rails and lifting from nominated depot/ stores etc. drilling holes to check rail, cutting the web and flange by Oxy acetylene to facilitate fixing / driving PRCs, flaring the rail ends of check rail, fish plating the check rail, duplication of fish plated joint ensuring check rail clearance, oiling bolts and nuts and tightening bolts. Loading, unloading and transportation charges for the rails will be paid separately if collected from other than work site.	Metre	300	1,009.89	3,02,967.00

SURENDER SINGH
 Digitally signed by
 SURENDER SINGH
 Date: 2024.03.14
 13:14:42 +05'30'

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
14	Casting, transportation and fixing of RCC Kilometre posts / Gradient posts as per approved drawing of size 1100mm x450mm x 75mm thick in proportion 1:1.5:3 with contractors well graded coarse aggregate of size 20 mm. and below, coarse river sand of approved quality, fixing the same with cement concrete 1:3:6 (well graded coarse aggregate of size 20 mm. and below) with necessary excavation, painting the post with superior quality synthetic enamel paint two coats of approved colour over base coat of white cement and lettering the Km (Figures) with approved paint and colour on both sides. Rate is inclusive of all contractor materials, lead, lift, transportation, cantering, shuttering, curing, royalty, taxes, tools and plants, labour, masons etc., complete. (Dimensions of foundation pit 830mm x 650mm x 750 mm deep.	Each	10	1,985.40	19,854.00
15	Painting of letters/figures on concrete surfaces/steel boards for station number, super elevation and versine at each station of curve with Contractors paint of approved quality as and where directed by the Engineer- in-charge or his representative.	Each station	50	79.17	3,958.50
16	Painting of particulars of turnout and derailing switches including turn in curves on the inside web of outer rail with stencils of specified height in black enamel paint on surface of specified length painted with 2 coats of yellow enamel paint over a primer coat painted after cleaning the surface free from dust.	Turn out	14	1,152.12	16,129.68
17	Slewing of track with 60Kg/52 kg/90R rails with PSC/CST- 9/Steel sleeper or any other type of sleepers track to a maximum of up to 2 m and packing the slewed track to pass the trains immediately after slewing as per Para 224 of IRPW Manual with contractor's tools and plant,	Track metre	500	166.92	83,460.00

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
	labour, lead, lift etc., complete as directed by Engineer-in-charge of the work(with or without traffic block)				
18	Greasing of all four Pandrol clips, liners and eye of MCI insert on the PSC sleeper with contractor's approved quality graphite grease as per IS408 Gr"0" including removing and refixing of Pandrol clips with appropriate tools,plants, equipment, labour leads. Lifts etc complete.	Per Sleeper	6400	5.90	37,760.00
19	Greasing of gauge faces of rails with contractor's approved quality graphite grease as per IS408 Gr"0" with all contractor's labour, tools & plants, all leads and all other incidental charges etc. complete.	per Track metre	600	3.68	2,208.00
20	Supply & fixing boards for LWR, curve board, point board, Bridge name board or any other similar board made of 16 gauge MS sheet with ISA 40x40x5 mm frame and ISA 75x75x6mm posts as per drawings duly painted and lettered with luminous paint.	Each	20	2,709.05	54,181.00
21	Manufacturing & supplying Engineering indicator board, partially Retro Reflective having stove enamelled background and 12 mm dia holes drilled for fixing with bolts & nuts of 10 mm dia made out of 16 SWG Mild Steel Cold rolled sheet painted with non-peel able whether proof one coat of Zinc Chromate stoving Primer on both sides and sheeting reflective sheet of Engg Grade with back frame made out of M.S. Angle 25 x 25 x 5mm on front side and gray stove enamelled on back side to IS shade No. 630 French Grey proper arrangements should be made to fix with the Railway's post. Engineering Grade Retro Reflective Enclosed Lens Type Sheeting shall be provided of required colours, confirming to respective drawings complete with contractor's labour, materials, taxes,				

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
	tools & plant lead / lift, incidental charges etc.				
(a)	Whistle indicator board board of size 600 x 600mm marked W/L or W with 4 Nos. G.I. Bolts and nut of size 10 mm dia and 20 mm long as per the approved drawing.	Each	2	3,315.64	6,631.28
(b)	Termination indicator board of size 1000 mm dia circular with 4 Nos. G.I. bolts and nuts of size 10 mm dia and 20 mm long (marked T/P or T/G or T) as per the approved drawing.	Each	2	12,858.41	25,716.82
(c)	Speed indicator board of size 1000 mm equilateral triangle with 4 Nos. G.I. bolt and nut of size 10 mm dia and 20 mm long as per the approved drawing	Each	2	10,145.07	20,290.14
(d)	Caution indicator board of size 1400 x 400 mm 4 Nos. G.I. bolt and nut of size 10 mm dia and 20 mm long as per the approved drawing	Each	2	10,918.00	21,836.00
22	Pushing / Operating the push trolley / motor trolley by contractor's skilled staff for the inspection of track by Railway official. The labour for this work should be skilled and strong for doing this work and they should be available for throughout the day. (1 supervisory / semi-skilled & 4 unskilled persons per day)	Per day	30	2,084.59	62,537.70
23	Insertion and fixing of 60kg/52 Kg glued joints at the required locations in running track. The rates includes labour charges for handling the glued joints in depot for testing the glued joints, loading and unloading of glued joints, transportation to work site, all lead and lifts, removal and re-insertion of all types of fittings from the track/into track for insertion of glued joints, cutting of rails if required. Rate includes all taxes, lead, lift, labour, tool, plants, equipment, incidental charges etc complete job.	Each	80	328.40	26,272.00
24	Cutting of 52kg/60kg New/SH Rails by abrasive disc cutter including all tools, machinery disc, fuel, handling of rails, taxes, cess, tax etc, complete	Nos.	250	637.23	1,59,307.50

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
	in all respect.				
	Total of Schedule (E4)				85,84,064.60
	Schedule (E5)Transportation of P.way Material				
1	Shifting of IRCON's P.way materials such as rails , sleepers, points & crossings, fastenings etc and stacking at the nominated place upto 250 meters lead as directed by the Engineer-in-charge including all lift, descent, ascent, all handling, rehandling, crossing of any number of Railway lines if required, all labour, materials, tools and plants, machineries, taxes, royalty, incidental charges, etc. complete.				
(a)	For lead upto 50 m	MT	500	152.94	76,470.00
(b)	Extra for lead of every 50 m or part thereof beyond initial 50 m lead and up to 250 M. Average 3 leads.	MT x Nos of lead	2500	22.60	56,500.00
2	Transportation of Rails of all sections from point of issue to their final location of laying in track, as directed by Engineer-in-charge.				
(a)	For lead upto 10 Km.	MT	1250	398.71	4,98,387.50
(b)	For extra lead of every Kilometer in excess of 10 Km.This shall be paid extra over item No. 2(a), average lead 10 Km	MT X Km.	6250	8.37	52,312.50
3	Transportation of PSC sleepers from the place of issue to their final location of laying. Note: The item is intended for transportation of sleepers issued free of cost by the employer in the project area. The rate includes multiple handlings.				
(a)	Lead upto 2 km (from the place of issue to middle point of kilometer of laying in track)	Sleeper	6400	74.52	4,76,928.00
(b)	Incremental rate for lead beyond 2 km for every kilometer additional lead upto 30 Km over item (a) above. Average lead 20 Km	Sleeper.Km	12800	2.87	36,736.00
4	Transportation of PSC sleepers for turnout from the place of issue to their final location of laying. Note: The item is intended for transportation of sleepers issued free				

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
	of cost by the employer in the project area. The rate includes multiple handlings.				
(a)	Avg. lead upto 2 km (from the place of issue to middle point of kilometer of laying in track)	MTKm	400	274.12	1,09,648.00
(b)	Incremental rate for lead beyond 2 km for every kilometer additional lead upto 30 Km over item (a) above.Average lead 20 Km	MT.Km	2000	9.26	18,520.00
	Total Schedule (E5)				13,25,502.00
	Schedule (E6) :Welding Works (AT & FBW)				
1	Flash butt welding of 60 kg, 52 kg rails and panels , as per manual for flash butt welding of rails Revised-2012, in track or outside track , in depot or in mid section for making panels including removing and refixing the fittings , creating required gap by pulling the rails, handling of rails. Ultrasonic testing of welded joints shall be paid separately. (Contractor has to arrange the RDSO QAP Approved Mobile Flash Butt Welding Plant (As per Manual for Flash Butt Welding of Rails Revised-2012) and QAP of MBFW should be not older than 03 years. If contractor desires IRCON can assist in arranging Mobile Flash Butt Welding Plant at ACTUAL COST CLAIMED BY AGENCIES as ITC, PCM, Kalindi, Pandrol India, Purple Distributors, Navketan etc. per Joint cost + GST 18% + Mobilisation charges + testing charges + USFD Charges and other conditions of agency)	Each	450	4,607.19	20,73,235.50

SURENDER SINGH
 Digitally signed by SURENDER SINGH
 Date: 2024.03.14 13:20:04 +05'30'

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
2	Alumino Thermite Welding of 60Kg/52 Kg rail joints or combination of joints of 60Kg/52Kg rail by Pre-heat (SKV) welding Technique using compressed air petrol /LPG for preheating , three piece moulds and automatic tapping thimble by single shot crucible technique with all labour, materials including supply of portions, tools and plants, aligning of rails , placing and fixing of mould , preheating , welding , mechanized trimming using hydraulic weld trimmer, grinding with profile grinder (including riser), testing, marking, painting with one coat of high build epoxy paint (two pack conforming to RDSO specification No. M&C/PCL-111/88) on the welded area up to 10cm on either side. the work is to be completed in all respect as per IRS: T-19-2012 with latest updates and in accordance with " RDSO Manual for fusion welding of Rails by Alumino Thermic Process with up to date correction slips. The work to be done under supervision of trained welding supervisor and carried out by trained and certified welder having valid competency certificate from RDSO/TPP. Ultrasonic testing of welded joints shall be paid separately under relevant items.	Each	150	5,822.28	8,73,342.00
3	USFD testing of 60Kg/52 Kg Rail welds (Flash butt/SKV) as per the RDSO Manuals and submitting the report on Performa directed by the Engineer Incharge.	Each	600	71.24	42,744.00
4	Shifting of Mobile Flash Butt Welding Plant by Road from one project site to other project site (beyond minimum shifting of 5 km within the same project) all complete including all other taxes etc. as directed by Engineer in charge	Km	200	216.70	43,340.00
	Total of Schedule (E6)				30,32,661.50

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
	Total of Schedule E i.e. (E1 to E6)				8,86,66,745.54
	Schedule-F (Supply of Rails)				
1 a)	Manufacture, supply, transportation and delivery of Grade-RAIL IRST12/09R-260-60 E1 - (Length-10 to 13-Meter-Mixed) 60kg rail as per IRS T-12-2009 specifications (latest amendments) in connection with New B.G. electrified Railway line Chhattisgarh East Railway Limited over South East Central Railway in the State of Chhattisgarh including all material, labour, equipment, tools & tackles, packing and forwarding charges	MT	500.00	77,000.00	3,85,00,000.00
1 b)	Transportation from Factory to Site	MT	500.00	1,650.00	8,25,000.00
	Total of Schedule (F)				3,93,25,000.00
	<u>Schedule: G- Station Buildings, Quarters , Platform Works (CIVIL)</u>				
1	Earthwork in excavation as per approved drawing at embankment site or spoil heap, within railway land including 50m lead and 1.5 metre lift, the lead to be measured from centre of gravity to spoil heap, the lift to be measured from natural ground level and paid for in layers of 1.5m eah, including incidental work as per specification in all kind of soils. And dressing and plumbing sides for foundation for building & bridges , to cover dressing to neat dimension and plumbing sides etc ,approved materials and consolidation of the layers by ramming and watering etc , including all lift, disposal of surplus soil up to a lead of 300 metre, all types of shoring and strutting with all labours and material complete as per drawing and technical specifications as directed by Engineer in charge. In all kind of soil	Cum	1853.00	128.41	2,37,943.73
2	Supplying and filling sand in plinth and under floor including watering, ramming, consolidating and dressing complete	Cum	548.00	811.09	4,44,477.32

SURENDER SINGH
 Digitally signed by
 SURENDER SINGH
 Date: 2024.03.14
 13:20:47 +05'30'

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
3	Earthwork in filling in embankment, guide bunds, around buried type abutments, bridge gaps, trolley refuges, rain bunds if provided, platforms etc. with earth excavated from outside railway boundary entirely arranged by the contractor at his own cost as p	Cum	800.00	266.61	2,13,288.00
4	Extra for mechanical compaction of earth/blanketing material filled in embankment with contractor's rollers of suitable capacity, type and size to achieve specified density as per specification, testing as per IS codes incl. cost of water, T&P consumable	CUM	800.00	19.17	15,336.00
5	Filling, watering and ramming earth in 15 cm layers in floors and foundations with surplus earth from foundations including 50m lead and 1.5m lift	Cum	1053.00	25.44	26,788.32
6	Supply of mooram for platform surfacing	CUM	100.00	403.73	40,373.00
7	Providing & laying of position cement concrete of 1:4:8 including cost of cement but excluding cost of shuttering & centering-in Levelling course with graded stone aggregate 40mm nominal size.	Cum	200.00	3235.18	6,47,036.00
8	Providing and fixing M 15 grade cement concrete in string or lacing courses, coping, bed plates, anchor blocks, plain window sills, shelves, louvers, steps, etc. upto floor two level, including hoisting and setting in position with cement mortar in Coping precast (including cost of cement)	CUM	535.00	5391.27	28,84,329.45
9	Providing & laying of position cement concrete of 1:2:4 including cost of cement but excluding cost of shuttering & centering- all works with graded stone aggregate 20mm nominal size.	Cum	200.00	4636.95	9,27,390.00
10	Providing & and applying pre-construction Anti- Terminate treatment to proposed structure with application of Imidacloprid 30.55 SC @ 0.075% as per detailed specifications given in Indian Railways Standard Specifications, so as to create a chemical barrier below and around	Sqm	785.00	104.11	81,726.35

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
	the structure by an approved agency				
11	Providing and laying in position M25 grade Designe Mix concrete for reinforced concrete structural elements with all materials including cement, admixtures, etc but excluding cost of centering, shuttering, reinforcement, as per direction of Engineer in Charge.				
A	All work	Cum	278.39	5972.35	16,62,642.52
12	Centering and shuttering including strutting, propping etc. and removal of form for :				
a	Foundations, footings, bases of columns, raft foundation of washable aprons, Pile caps, Footings of FOB etc.	Sqm	218.00	158.18	34,483.24
b	Suspended floors, roofs, landings, balconies, FOB slabs, walkway slabs and access platform	Sqm	1156.00	279.78	3,23,425.68
c	Lintels, beams, plinth beams, bed blocks, girders, bressumers and cantilevers	Sqm	150.00	245.58	36,837.00
d	Columns, pillars, posts and struts	Sqm	494.00	337.52	1,66,734.88
e	Stairs (excluding landings) except spiral-staircases	Sqm	100.00	300.63	30,063.00
f	weather shade, chajjas, corbels etc. including edges	Sqm	100.00	415.46	41,546.00
g	Edges of slabs and beams in floors and walls under 20cm wide	Sqm	100.00	89.39	8,939.00
h	Walls(any thickness) including attached plasters,butresses	Sqm	7397.59	269.33	19,92,392.91
13	Brickwork with Clay Fly Ash (fps) Bricks of class designation 7.5 in superstructure including cement mortar 1:6 (1 Cement :6 fine Sand)				
a	Up to plinth Level	Cum	160.00	3723.84	5,95,814.40
b	Extra over item 13a for all works above plinth level upto floor two level	Cum	217.00	201.58	43,742.86
c	Extra over item 13a for brickwork in superstructure beyond second floor level for every 3m or part thereof	Cum	50.00	385.65	19,282.50
14	Half brick masonry with bricks of class designation 7.5 in foundations and plinth in : with cement mortar 1:3				

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
a	Up to plinth level	Sqm	0.00	428.05	-
b	Extra over item 14a for half brick masonry in superstructure above plinth level up to floor two level	Sqm	849.00	483.78	4,10,729.22
c	Extra over item 14a for half brick masonry in superstructure above floor two level for every floor or part thereof.	Sqm	169.80	504.35	85,638.63
15	15 mm thick cement plaster of prop 1:6. Inside plaster (Including Cement)	Sqm	4002.00	123.10	4,92,646.20
16	12 mm thick cement plaster of mix 1:4 Ceiling plaster (Including Cement)	Sqm	800.00	120.08	96,064.00
17	12 mm thick cement plaster of mix 1:4 Outside plaster (Including Cement)	Sqm	3000.00	120.08	3,60,240.00
18	Providing and fixing ceramic tiles conforming to IS:15622 of manufacturers approved by in all colours, shades, design and abrasion resistance class as approved by the Engineer-in-Charge in floors and landings over 20mm thick bed of cement mortar 1:4 (1cement: 3coarse sand) including pointing in white cement mixed with pigment of matching shade complete of Group B-I-a of IS : 15622 (Vitrified tiles) of size 600x600 mm (including cement)	Sqm	1235.00	1264.81	15,62,040.35
19	Cement concrete flooring 1:2:4 (1cement: 2coarse sand: 4graded stone aggregate) finished with a floating coat of neat cement including cement slurry complete of 50 mm thick with 20mm nominal size stone aggregate.	Sqm	800.00	318.65	2,54,920.00
20	Providing and fixing ceramic tiles conforming to IS:15622 of manufacturers approved by railway in all colours, shades, design and abrasion resistance class as approved by the Engineer-in-Charge in floors and landings over 20mm thick bed of cement mortar 1:4 (1cement: 3coarse sand) including pointing in white cement mixed with pigment of matching shade complete Group B-II clause 5.1 (for abrasion resistance) of IS : 15622 (Ceramic floor tiles) of size 300X300mm and	Sqm	100.00	860.78	86,078.00

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
	above (including cement)				
21	Providing and fixing 1st quality ceramic tiles conforming to Group B-III (Ceramic Wall Tiles) of IS:15622 of manufacturers approved by railway in all colours, shades, and design as approved by the Engineer-in-Charge in skirting, risers of steps and dado over 12mm thick bed of cement mortar 1:3 (1cement: 3coarse sand) including pointing in white cement mixed with pigment of matching shade complete of size 300 x 300mm and above. (including cement)	Sqm	100.00	768.09	76,809.00
22	Providing and fixing 10mm thick heavy duty acid and/or alkali resistant factory made tiles conforming to Group V-RD series 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 including cost of acid/alkali resistant cement				
22.1	In flooring on a bed of 10mm thick mortar 1:4 (1 Appropriate cement : 4 coarse sand) (including all materials)	Sqm	50.00	1224.74	61,237.00
23	Providing & fixing Precast Chequered tiles conforming to IS:13801:1993, manufactured under mechanical vibration & hydraulic pressing machine in double layer; top layer of 10 to 12 mm thickness of Dolomite Powder, graded chips, fibre and UV stabilised iron				
23.1	300mm x 300mm x 30mm thick	Sqm	100.00	821.60	82,160.00
24	Kota stone slab flooring of size up to 60x60cm over 20mm (average) thick base of 1:4 cement mortar (1cement: 4coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete 25mm tk.as per instruction of Engineer incharge.(including cement and all materials)	Sqm	100.00	1293.33	1,29,333.00

SURENDR SINGH
 Digitally signed by
 SURENDER SINGH
 Date: 2024.03.14
 13:21:59 +05'30'

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
25	Providing and fixing 18mm thick mirror polished, machine cut for kitchen platforms, vanity counters facias, dados and skirtings and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1cement: 4coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touchups, including rubbing, curing. etc. complete at all levels Granite Black. (including cement and all materials)	Sqm	50.00	3235.87	1,61,793.50
26	Extra for providing edge molding to 16mm to 20mm thick marble/granite stone counters, vanities etc including machine polishing to edge to give high gloss finish etc. complete as per design approved by the Engineer-in-Charge. On granite work.	Mtr.	50.00	174.68	8,734.00
27	Providing and fixing 600x450mm beveled edge mirror , 5.5 mm thick of float glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete	Each	6.00	978.15	5,868.90
28	Providing & laying water-proof treatment on roof slabs by applying after preparation, cement slurry mixed with Tapecrete acrylic based polymer water proofing compound (having solid content 30% $\pm$ 2, pH >7) in a ratio of 2:1 (2 cement : 1 water proofing compound in a ratio 2:1 followed by laying of fiber glass cloth, 2nd coat of cement slurry mixed with water acrylic based polymer water proofing compound and a final coat of water proofing compound brush topping having water proofing compound, cement and coarse sand @ 1:2:2 by weight complete job to be carried out as per specifications	Sqm	800.00	400.49	3,20,392.00

SURENDE R SINGH Digitally signed by SURENDER SINGH
Date: 2024.03.14 13:22:15 +05'30'

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
29	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc. by applying cement slurry mixed with water proofing cement compound as per IS 2645 in layers a) 1st layer of slurry of cement @ 0.488kg/ Sqm mixed with water proofing cement @ 0.488kg/ Sqm mixed with waterproofing cement compound @ 0.253 lit/Sqm, allowed to air cure for 4hours.(b) 2nd layer of slurry of cement @ 0.242kg/ Sqm mixed with water proofing cement compound @ 0.126 lit/Sqm, allowed to air cure for 4 hours followed with water curing for 48 hours. Rate includes preparation of surface, treatment, sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry. Rendering/ plastering as protective layer, if required will be paid separately	Sqm	100.00	187.71	18,771.00
30	Providing and fixing to IS: 2202 Part-1 marked flush door shutter decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3ply veneering with vertical grains or cross bands and face veneers on both faces of shutters, 35mm thick including ISI marked stainless steel butt hinges with necessary screws	Sqm	25.00	2551.35	63,783.75
31	Providing wood work in frames of doors window,clerestorywindows,and other framesand trusses,wrought,framed and fixed in position in second class teak wood	Cum	2.00	106036.32	2,12,072.64
32	Providing and fixing panelled/glazed of panelled and glazed shutter for dooors>window and clerestory windows includingISI marked black enamelledMS butt hinges with necessary screws excluding ,panellingglazing which will be paid separately second class teak wood ,35 mm thick	Sqm	25.00	2753.84	68,846.00

SURENDER SINGH Digitally signed by SURENDER SINGH
Date: 2024.03.14 13:22:41 +05'30'

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
33	Providing and fixing fly proof stainless steel wire gauge to windows and clerestory windows using stainless steel wire gauge with average width of aperture 1.4mm in both directions in track of aluminium windows and with 2nd class teak wood beading 50x20mm in ventilators and exhaust fan openings.	Sqm	25.00	2605.40	65,135.00
34	providing and fixing in position collapsible steel shutter with vericle channel 20x10x2mm and braced with flat ircon diaogonal 20x5mm size with top and bottom Rail of T-ircon 40x40x6mm with 40mm dia steel pulleys complete with bolts,nuts, locking aarangement,stoppers,handle and hold fastes including applying of priming coat of approved steel primer.	Sqm	50.00	3732.12	1,86,606.00
35	Providing and fixing of fibre glass reinforced plastic(FRP) door frames of three legged of cross section 90mmx45mm having single rebate of 32mmx15mm to receive shutter of 30mm thickness.The laminated door frame moulded with the fire retardant grade unsaturated polyster resin and chopped mat. Door frame laminated shall be 2 mm thick and shall be filled with suitable wooden block in all three legs. The frame shall be covered with fibre glass form all sides.M.S stay shall be provided at the bottom to ready the frame.	RM	55.00	782.33	43,028.15
36	Providing and fixing 30mm thick glass fibre reinforced(FRP) panelled door shutter of required colour and approved brand and manufactue made with fire retardant grade unsaturated polyester resin ,moulded to 3mm thick FRP laminated for framing hollow rails and styles with wooden frame and suiatable block of seasoned wood inside at required places for fixing of fittings , cast monolithically with 5mm thick FRP laminated panels and conforming to IS 14856-2000) complete work.	Sqm	25.00	3820.43	95,510.75

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
37	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. fixed to opening/ wooden frames with rawl plugs screws etc. all complete	Kg	600.00	94.74	56,844.00
38	Construction of Brickwork handrail for stairs	Mtr.	50.00	1165.71	58,285.50
39	Providing and fixing aluminium sliding door 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 nuts and screws etc. complete. 250x16mm.	Each	20.00	213.27	4,265.40
40	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 of				
40.1	Size 250mmx10mm	Each	20.00	88.66	1,773.20
40.2	Sie 150 MMx10mm	Each	20.00	67.01	1,340.20
41	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with necessary screws etc. complete				
41.1	125 mm	Each	20.00	63.63	1,272.60
41.2	100 mm	Each	20.00	52.38	1,047.60
42	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS: 1868 Single rubber stopper	Each	20.00	37.34	746.80
43	Providing and applying plaster of Paris putty of 2mm average thickness over plastered surface to prepare the surface even and smooth complete	Sqm	4002.00	95.12	3,80,670.24
44	Distempering two or more coats on new work with 1st quality acrylic washable distemper (ready mixed) of approved manufacturer and of required shade and colour complete as per manufacturer's specification	Sqm	4802.00	45.93	2,20,555.86
45	White washing with lime to give an even shade on new work (three or	Sqm	3000.00	11.63	34,890.00

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
	more coats)				
46	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade on new work (Two or more coats applied @ 1.43ltr/10 Sqm over and including one coat of water proofing cement paint applied @ 2.20 kg/10 Sqm	Sqm	3000.00	97.91	2,93,730.00
47	Providing and fixing wash hand basin with CI/MS brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required , White vitreous china wash basin of size 550X400 mm with 15mm C.P. Brass pillar taps.	Each	10.00	2026.95	20,269.50
48	Providing and fixing stainless steel AISI-304 (18/8) kitchen sink without drain board 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.				
48.1	610X460mm bowl depth 200mm	Each	10.00	4444.79	44,447.90
49	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete-Flexible pipe 32 /40mm dia.	Each	20.00	87.48	1,749.60
50	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel work (second coat)	Sqm	50.00	13.66	683.00
51	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade on steel				
51.1	Two or more coats on new work	Sqm	50.00	62.48	3,124.00
52	With ready mixed pink or grey primer of approved brand and manufacture on woodwork (hard and soft wood)	Sqm	50.00	29.80	1,490.00
53	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade				

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
53.1	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	Sqm	200.00	92.48	18,496.00
54	P&F 127mm dia C.P. steel Jali cockroach trap (CCTR-127) for gully floor or Nahani trap	Each	10.00	283.09	2,830.90
55	Providing and fixing square-mouth S.W. gully trap grade 'A' complete with C.I. grating brick masonry chamber with water tight C.I. cover	Each	20.00	1559.29	31,185.80
56	Providing and fixing 110mm dia PVC soil, waste and vent pipes including jointing and cost of spun yarn and sand etc. complete	Mtr.	800.00	309.18	2,47,344.00
57	Providing and fixing 75mm PVC soil pipe	Mtr.	200.00	180.86	36,172.00
58	providing and fixing M.S.Holder bat clamps of approved design to sand cast iron/cast iron(spun) pipe embedded in and including conceret blocks and including cost of cutting holes and making good the walls	Each	300.00	124.28	37,284.00
59	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm sand cast iron P or S trap, 10litre low level white P.V.C. flushing cistern	Each	4.00	3682.01	14,728.04
60	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10litre low level white vitreous china flushing cistern and C.P flush bend with fittings & C.I./ M.S. brackets, 40mm flush bend, overflow arrangement w				
60.1	W.C. pan with ISI marked white solid plastic seat and lid.	Each	6.00	4684.06	28,104.36
61	Providing and fixing Towel rail (C.P.) brass 15 mm dia x 450 mm long having approx. wt. 380 gm	Each	5.00	432.57	2,162.85
62	Providing and placing on terrace/staging (at all heights) polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement	Litre	10000.00	9.45	94,500.00

SUREND
ER SINGH

Digitally signed by
SURENDER SINGH
Date: 2024.03.14
13:23:58 +05'30'

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
63	Providing and fixing medium grade G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the wall etc. concealed For 15 mm dia nominal bore.	Mtr.	110.00	250.94	27,603.40
64	Providing and fixing medium grade G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the wall etc. concealed for 20 mm dia nominal bore.	Mtr.	110.00	297.72	32,749.20
65	Providing and fixing medium grade G.I. pipes complete with G.I. fittings and clamps,. including trenching and refilling etc external work for 25 mm dia nominal bore	Mtr.	150.00	306.93	46,039.50
66	Providing and fixing medium grade G.I. pipes complete with G.I. fittings and clamps,. including trenching and refilling etc external work for 32 mm dia nominal bore	Mtr.	150.00	360.78	54,117.00
67	Providing and fixing brass bib cock of approved quality confirming to IS: 8931, 15 mm dia nominal bore.	Each	20.00	311.25	6,225.00
68	Providing and fixing C.P. brass stop cock, 15 mm nominal bore, (concealed) of standard design and of approved make conforming to IS:8931	Each	20.00	449.90	8,998.00
69	Providing and fixing Shower rose (C.P.) brass with swivel joint having aprox. wt. 270 gm	Each	5.00	390.53	1,952.65
70	Providing and fixing ISI marked Gun Metal Gate valve with C.I. wheel of approved quality.(Screw end) 25 mm nominal bore	Each	20.00	507.24	10,144.80
71	Providing and fixing nickel plated M.S. pipe curtain rods with nickel plated brackets, 20mm dia (heavy type)	Mtr.	24.00	132.93	3,190.32
72	Providing and Fixing 18 mm thick 150 mm wide pelmet of flat pressed 3 layer (Like Novapan,Eco,board etc.) or graded wood particle board (Like Bhutan Board) medium density grade-I IS 3087 marked including top cover of 6 mm commercial ply wood nickel plated MS pipe 20 mm dia (heavy type) curtain rod with nickel plated brackets including fixing with	Mtr.	24.00	327.64	7,863.36

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
	25x3 mm MS flat 10 cm long and rawl plugs 50 mm long (designation 10 no.) etc. all complete				
73	Extra for using veneered partiel board in item of pelmet 18 mm thick 150 mm wide	Mtr.	24.00	90.79	2,178.96
74	Providing, laying and jointing glazed stoneware pipes grade 'A' as per IS:651 including bends etc. with stiff mixture of cement mortar in the proportion of 1:1 (1cement : 1fine sand) including testing of joints etc. complete				
74.1	300mm diameter	Mtr.	50.00	932.76	46,638.00
75	Constructing brick masonry manhole in cement mortar 1:4 (1cement: 4coarse sand) R.C.C. top slab with 1:2:4 (1cement: 2coarse sand: 4graded stone aggregate 20mm nominal size), foundation concrete 1:4:8 mix (1cement: 4coarse sand: 8graded stone aggregate 40 mm				
75.1	Inside size 90x80cm and 45cm deep including C.I. cover with frame (light duty) 455x610mm internal dimensions total weight of cover and frame to be not less than 38kg (weight of cover 23kg and weight of frame 15kg). With F.P.S. bricks class designation 7.	Each	50.00	7433.57	3,71,678.50
75.2	Extra for depth for manholes of size 90x80cm	Mtr.	25.00	3905.78	97,644.50
77	Drilling of bore well for specified depth in all types of soil and rock mechanically with all contractor's tools, plants, material and labour up to 75 meters				
77.1	For 200 mm dia	Mtr.	250.00	567.48	1,41,870.00
77.2	Extra over 75m drilling for 200mm dia	Mtr.	500.00	113.23	56,615.00
80	Providing supplying, lowering and fixing in bore G.I.B Class perforated casing pipe 6 mm thickness up to specified depth below ground level with all contractor's tools, plants, material and labour etc. complete				

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
80.1	200 mm internal pipe	Mtr.	100.00	1903.33	1,90,333.00
81	Providing and fixing medium grade GI pipes complete with GI fittings				
81.1	80mm dia nominal bore	Mtr.	200.00	801.54	1,60,308.00
82	Providing and installing 5 HP Kirloskar or equivalent submersible pump	Each	4.00	57352.16	2,29,408.64
83	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 in Gratings, frames, guard bar, ladders, railings, brackets, gates, and similar works	Kg.	1000.00	95.55	95,550.00
84	Providing and fixing pressed steel door frames manufactured from commercial mild steel sheet of 1.25mm thickness including hinges jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25mm, or base ties of 1.25mm pressed.				
84.1	Profile A(105x60mm) single reabte	Mtr.	55.00	514.86	28,317.30
85	Fabricating, supplying and fixing pressed steel door, window shutters with contractors pressed steel CR sheet 1.25 mm (18 gauge) thick confirming to IS: 4351/1976 fixed on CR frame including making out frame and fixing of all fixtures such as hinges, rings, locking bars aldrops etc. of approved quality and as directed by the Engineer-in-charge and fixing the shutters with pressed steel chow khat at site including spray painting with contractor's paint of approved quality (Asian paint or equivalent make) of any colours as directed by the Engineer-in-charge with smooth and even shades over a priming coat with contractor's anti corrosive red oxide/zinc chromate primer including contractor's all labour, tools and plants, welding equipment all leads, lifts, loading, unloading, taxes and all other incidental charges etc. complete	Sqm	50.00	2845.53	1,42,276.50

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
86	Supplying and fixing rolling shutters of approved make as per IS 6248, 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				
86.1	80x1.25 mm M.S. laths with 1.25mm thick top cover	sqm	50.00	1971.80	98,590.00
87	Laying 15 mm thick hardened topping on concrete surface with 1 part metallic floor hardener, 4 parts cement and 9 parts by weight hard stone chips of size 6 mm mixed and laid as per specifications	SQM	50.00	419.70	20,985.00
88	Supplying, erecting and fixing precast concrete reinforced bench with back rest. Bench shall consist of 2 nos. L shaped base support in natural cement colour of thickness 100 mm, back height 1000 mm, front height 450 mm, base width 620 mm and 5 nos. reinf	Each	4.00	12377.39	49,509.56
89	Supplying and laying interlocking pre-cast CC block pavers of approved design factory manufactured of specified grade cement concrete on passenger platform, foot paths, circulating area, etc, including setting in position over 25mm thick bedding layer of				
89.1	60mm thick blocks of M35 grade	SQM	100.00	531.18	53,118.00
89.2	80mm thick blocks of M35 grade for medium traffic	SQM	100.00	615.12	61,512.00
90	Steel work in built up tubular(round,sqare or rectangular hollow tubes etc) trusses etc including cutting,hoisting,fixing in position and applying a priming coat of approved steel primer including weilding and bolted with special shape washer etc complete.				
90.1	hot finished seamless type tubes	KG	100.00	150.49	15,049.00
91	Providing and laying of S&S centrifugally cast spun iron pipes	Mtr	50.00	1377.60	68,880.00

SUREND ER SINGH Digitally signed by SURENDER SINGH
Date: 2024.03.14 13:25:20 +05'30'

Item No.	Description of item	Unit	Quantity	Basic Rate (In Rs.)	Basic Amount (In Rs.)
92	Supply & installation of precoated galvanized iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50mm +/- 5% total coated thickness (TCT) thick Zinc coating 120gsm as per IS:277 in 240mpa steel grade, 5-7microns 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 while 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 (5.5 x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead 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	100.00	603.14	60,314.00
93	Polished stone tile work for wall lining (dado) over 12mm thick bed of cement mortar 1:3, including pointing in white cement with an admixture of pigment to match the stone shade with tiles of all size upto 300 x 300 mm				
93.1	8mm thick superior quality black granite tiles	SQM	25.00	1758.16	43,954.00
94	Supplying, fitting & fixing in position C.I. Jali with frame with cement concrete 1:2:4 including all lead				
94.1	300 mm x 600 mm jali weighing 23 Kg	Each	5.00	1587.47	7,937.35
95	PTMT push cock 15mm dia	Each	5.00	121.91	609.55
96	PTMT extension nipple 15mm	Each	5.00	51.18	255.90
97	50mm Dia GI pipe	Each	5.00	514.87	2,574.35
98	15mm dia GI pipe	Each	5.00	249.27	1,246.35
	TOTAL OF SCHEDULE (G)				1,93,09,259.29

SURENDER SINGH Digitally signed by SURENDER SINGH
Date: 2024.03.14 13:25:44 +05'30'

Sl. No.	Description of Items	Unit	Qty.	% Escalation on Basic rate	Departmental Basic Value (in Rs.)
	<u>SCHEDULE H): Other items of work not covered by above schedules (Section "Z" of SECR-SOR-Vol-01, 2006)</u>				
1	Execution of all work connected with above work covered under section "Z" of SECR - SOR VOL 01, 2006 against the basic rate of Bilaspur Division of SECR (Excluding items covered by any other schedule of this tender) for successful completion of the work as deemed necessary by the Engineer.	LS (in Rs)	1000000.00	179.70%	27,97,000.00
	Total of Schedule (H)				27,97,000.00
	<u>SCHEDULE (I) : Other items of work not covered by above schedules (SECR-USSOR-2021)</u>				
1	Any item of SECR-USSOR-2021 not covered by any other items of Schedules - A,B,C,D,E,F &G but required to be executed for successful completion of the work as deemed necessary by the Engineer	LS (in Rs)	30400000.00	5.77%	3,21,54,659.25
	Total of Schedule (I)				3,21,54,659.25
	Note:- Items covered under SECR-USSOR-2021 (i.e. under Schedule I above) are inclusive of GST @12%, therefore items executed under Schedule I will be paid by deducting GST @12% thereafter adding escalation on quoted rate and thereon adding prevalent GST rate (i.e. @18%).				

BOQ Item No.	Description	Unit	Qty		Basic Rate (in Rs)		Basic Amount (in Rs)		Total Basic Amount (in Rs)
			Supply	Erection	Supply	Erection	Supply	Erection	
	Schedule-K (General Electrical Works)								

SUREND ER SINGH

Digitally signed by SURENDER SINGH
Date: 2024.03.14 13:49:34 +05'30'

BOQ Item No.	Description	Unit	Qty		Basic Rate (in Rs)		Basic Amount (in Rs)		Total Basic Amount (in Rs)
			Supply	Erection	Supply	Erection	Supply	Erection	
1	Wiring for light/ ceiling fan/ exhaust fan/ call bell/ light group/ wall fan/ fresh air fan/ LED foot light/ LED night lamp/ reading cum bed light etc. Point including circuit wiring, sub-main wiring with Fire Retardant (FR)< PVC insulated, multistranded, copper conductor, single core cable on surface/in recessed PVC conduits, distribution boards, sub distribution boards, earthing etc as required, wiring shall be done as per size of cables. no of points permissible in each and sub main as indicated in Explanatory Notes.	Point	400	400	0	1,319	0	5,27,600	5,27,600
2	Wiring for power plug point including circuit wiring, sub main wiring, with fire retardant (FR) PVC insulated, multistranded, copper conductor, single core on surface/in recessed PVC conduits, distribution boards, sub distribution boards, earthing with G.I. Pipe/electrode etc as required. Wiring shall be done as per sizes of cables, no. of points permissible in each circuit and sub main as indicated in Explanatory Notes.	Point	100	100	0	2,419	0	2,41,900	2,41,900
3	Extra for provision of industrial type iron clad plug socket with 32A DP MCB in M.S.Box	Point	8	8	0	661	0	5,288	5,288
4	Supply, installation, testing and commissioning of 1200 mm (Without Regulator) 230 V A.C. ceiling fan with double ball bearing and suitable capacitor complete with wiring with 1.5sq mm FR, PVC insulated, copper conductor single/three core cable as instructed. Etc as required.	No.	40	40	1,328	229	53,120	9,160	62,280

SURENDER SINGH Digitally signed by
SURENDER SINGH
Date: 2024.03.14
13:49:52 +05'30'

BOQ Item No.	Description	Unit	Qty		Basic Rate (in Rs)		Basic Amount (in Rs)		Total Basic Amount (in Rs)
			Supply	Erection	Supply	Erection	Supply	Erection	
5	Supply and fixing of tapped type, electronic fan regulator with suitable rating for the C/Fan on the existing phenolic laminated sheet copper plate/modular plate of switch box, including connections, testing & commissioning as required.	No.	40	40	271	68	10,840	2,720	13,560
6	Supplying, installation, testing and commissioning of LED lamp 9-15 W , 250 volts, 2 pin.	No.	50	50	142	26	7,100	1,300	8,400
7	Supply and installation of 1x20W LED Tube light fitting complete with LED lamp similar to phillips Model No.TMC 501 P1xT-LED 22W P3241 or equivalent or as per Railway Specification as approved by engineer.	No.	100	100	1,252	90	1,25,200	9,000	1,34,200
8	Supplying, erection, testing and commissioning of 150 mm exhaust fan suitable for 1-Phase, 230 Votts, AC supply complete with capacitor, louver shutters, grouting bolts with nuts, making opening/modification in the wall to suit the size of the fan. Making good the damages. connections with 1.5 sq mm, FR.PVC insulated, multistranded copper conductor, single core/three cable as instructed, earthing etc. as required.	No.	6	6	1,191	282	7,146	1,692	8,838
9	Supplying, erection, testing and commissioning of 300 mm exhaust fan suitable for 1-Phase, 230 Votts, AC supply complete with capacitor, louver shutters, grouting bolts with nuts, making opening/modification in the wall to suit the size of the fan. Making good the damages. connections with 1.5 sq mm, FR.PVC insulated, multistranded copper conductor, single core/three cable as instructed, earthing etc. as required.	No.	2	2	2,142	369	4,284	738	5,022

BOQ Item No.	Description	Unit	Qty		Basic Rate (in Rs)		Basic Amount (in Rs)		Total Basic Amount (in Rs)
			Supply	Erection	Supply	Erection	Supply	Erection	
10	Supply of Bus-bar Box with copper bars of 250A, 415V size of box 300x300x170 mm with all accessories etc.	No.	8	8	6,069	31	48,552	248	48,800
11	Supply of Wall Mounted DB containing, Incomer -1 no. TP, MCCB,200 A with ICU =35 KA & 4 pole ,100 A, RCCB braking capacity -100 ma. Outgoing -4 nos. TPN MCCB 100 A Braking Capacity -25 KA & 2 nos TPN MCCB 63 A, 10 KA complete with earth bar, din rail & enclosed in a powder matelic enclosure.	Nos.	2	2	74,861	7,392	1,49,722	14,784	1,64,506
12	Supply and erection of SP/DP 6-32A MCB.	No.	30	30	108	10	3,240	300	3,540
13	Supply and erection of 40 mm dia GI Pipe - class "B" ISI marked with accessories including bends etc. for support of cable with erected pole/recessing in wall/floor/ passing earth strip or passing cable as required:	Mtr	100	100	304	46	30,400	4,600	35,000
14	Earthing with 3 meter long, 50 mm dia. G.I. pipe class "B" earth electrode, adding of charcoal or coke and salt, providing masonry enclosure and cover plate with lifting arrangement etc. including connections with 4mm GI wire from earth electrode to switch board/electrical equipment as required.	Job	10	10	2,806	435	28,060	4,350	32,410
15	Supply and Laying 25 mm x 6 mm G.I. Strip at not less than 0.50 meter below ground or in recess as required.	Mtr	60	60	62	11	3,720	660	4,380
		Total of Schedule-K (General Electrical Works)					4,71,384	8,24,340	12,95,724

SURENDER SINGH
 Digitally signed by
 SURENDER SINGH
 Date: 2024.03.14
 13:50:29 +05'30'

(To be executed on a non-judicial stamp paper of Rs 100/- only)

PERFORMANCE BANK GUARANTEE (UNCONDITIONAL)

To
IRCON INTERNATIONAL LIMITED,

[Acting through _____ (Project Incharge) &
Address of the Project]

WHEREAS _____ [name and address of Contractor] (hereinafter
called "the Contractor") has undertaken, in pursuance of Contract
No. _____ dated _____ to execute the work of
".....
...
....."

(hereinafter called "the Contract.");

AND WHEREAS it has been stipulated by you in the said Contract that the
Contractor shall furnish you with a Bank Guarantee by a scheduled bank for the
sum specified therein as performance security for compliance with his obligations in
accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to
you, on behalf of the Contractor, up to a total of _____
[amount of Guarantee], _____
[amount in words], such sum being payable in the types and proportions of
currencies in which the Contract Price is payable, and we unconditionally agree and
undertake to pay you, without any demur or protest, at once, upon your first written
demand and without cavil or argument, any sum or sums within the limits of
_____ [amount of Guarantee] as mentioned in demand letter, without
requiring you to prove or to show grounds or reasons for your such demand for the
sum specified therein, in the first letter of invocation.

We hereby waive the necessity of your demanding the said amount under bank
guarantee from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of
the Contract or of the Works to be performed there under or of any of the Contract
documents which may be made between you and the Contractor shall in any way
release us from any liability under this guarantee, and we hereby waive notice of
any such change, addition or modification.

This guarantee shall be valid upto _____ (a date 60 days from the date of completion of the work).

We, the _____ Bank further agree that this guarantee shall be invokable at our place of business at New Delhi/NCR/Project HQ (Indicate detail address of branch with Code No.)*. The branch at New Delhi/NCR/Project HQ is being advised accordingly.

This Bank Guarantee shall be operative only if it is accompanied by a separate advice sent by _____ (Name of Issuing Bank, with address) on _____ (Name of Employer's Bank, with address) IFS Code _____ through Structured Financial Messaging System (SFMS) and authenticated by the Employer's Bank.

SIGNATURE AND SEAL OF THE GUARANTOR

Name of Bank: _____
Address: _____
Date: _____

*The Bank should indicate detailed address of New Delhi/NCR/Project HQ branch along with its Code No.

FORM OF AGREEMENT

(To be executed on requisite value of stamp Papers)

AGREEMENT

THIS AGREEMENT made on _____ day of _____ (Month/year) between IRCON INTERNATIONAL LIMITED, acting through(Project Head and name/address of the **Project**.....) (hereinafter called "the Employer/Engineer") of the one part and _____ (name and address of the Contractor) (hereinafter called "the Contractor") of the other part.

WHEREAS the Employer is desirous that work of "....." should be executed by the Contractor viz. **LOA No.** _____ (hereinafter called "the Works", and has accepted a Bid by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expressions shall have the same meaning as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement:
 - a) Letter of Acceptance of Tender
 - b) Notice Inviting Tender
 - c) Instructions to the Tenderers
 - d) Appendix to Tender
 - e) Form of Bid
 - f) Special Conditions of the Contract
 - g) General Conditions of Contract
 - h) Particular Technical Specifications
 - i) General Technical Specifications
 - j) Relevant codes and Standards
 - k) Drawings
 - l) Bill of Quantities
3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all respects with the provisions of the Contract.
4. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the works and the remedying of defects therein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement executed the day and year first before written.

(Name, Designation and address of the authorised signatory)

(Name, Designation and address of the authorised signatory)

Signed for and on behalf of the Contractor in the presence of:

Signed for and on behalf of the Employer in the presence of:

Witness:

Witness:

1.

1.

2.

2.

Name and address of the witnesses to be indicated.

Signature Not Verified

Digitally signed by TRIPTI MAHESHWARI
Date: 2024.03.19 17:36:41 IST
Location: eProcurement System for
Central PSUs