

Corrigendum-II

Dated: 05.12.2022

Sub: Provision of supply, installation, testing and commissioning in connection with Electronic interlocking for Upgradation & replacement of lever frames with Electronic Interlocking at 5 Stations (i.e. Dhariwal, Gurdaspur, Dinanagar, Jakolari and Sarna) on ASR-PTK section of Firozpur Division on Northern Railway.

Ref: Tender No. RCIL-SIG-DHW-SRM-OT-2-04 dt. 24.11.22.

Corrigendum-II, generated from IREPS portal is attached herewith.

The rest of the terms and conditions of tender will remain same.


(Jagdeep Singh)
ED/RP
5/12/22

Corrigendum Details

Corrigendum No 2

Corrigendum
Publish Date

05/12/2022 17:46

Tender Details

Tender No

RCIL-SIG-DHW-SRM-OT-2-04
(Open Tender)

Closing Date/Time 20/12/2022 15:00

Name Of Work

"Provision of supply, installation, testing and commissioning in connection with Electronic interlocking for Upgradation & replacement of lever frames with Electronic Interlocking at 5 Stations (i.e. Dhariwal, Gurdaspur, Dinanagar, Jakolari and Sarna) on ASR-PTK section of Firozpur Division on Northern Railway".

Items Modified

NIT Header

Field Name	Existing Value	Modified Value
Advertised Value (INR)	247130336.70	244798316.91

NIT Schedule

Code	Field Name	Existing Value	Modified Value
Schedule - A Item - 15	Item Description	Supply fixing and wiring of Fuse Auto Changeover System (FACS main system) as per RDSO/SPN/209/2012 Rev. 2.0 with latest amendments. One automatic changeover unit comprise 32 nos of external Non Deteriorating Type or 'G' type fuses of various Ampere Rating, working voltage- 24 VDC which are in signalling circuits. System shall have 8 cards with monitoring arrangement of 4 fuses in one card. Installation, wiring, Testing and commissioning of Fuse Alarm System, it consists of fixing of modules of fuse alarm system on existing relay rack, wiring from existing fuses to modules, soldering, lacing etc. working to be executed without affecting the functioning of the existing Circuits/Gears and the work shall be supplied by the contractor. Inspection by- RDSO for supply portion.	Supply fixing and wiring of Fuse Auto Changeover System (FACS main system) as per RDSO/SPN/209/2012 Rev. 2.0 with latest amendments. One automatic changeover unit comprise 32 nos of external Non Deteriorating Type or 'G' type fuses of various Ampere Rating, working voltage-(Type I 0.6 Amp to 4 Amp-30 nos, Type II 4 to 10 Amp-10 nos) 24 VDC which are in signalling circuits. System shall have 8 cards with monitoring arrangement of 4 fuses in one card. Installation, wiring, Testing and commissioning of Fuse Alarm System, it consists of fixing of modules of fuse alarm system on existing relay rack, wiring from existing fuses to modules, soldering, lacing etc. working to be executed without affecting the functioning of the existing Circuits/Gears and the work shall be supplied by the contractor. Inspection by- RDSO for supply portion.
Schedule - I Item - 118	Item Description	Supply & installation of magneto telephone with all accessories IRS TC:36-97(Amndt.1) or latest with latest amendments.(Inspection:RDSO)	Supply of magneto telephone with all accessories IRS TC:36-97(Amndt.1) or latest with latest amendments.(Inspection:RDSO)
Schedule - F Item	Item	Supply, erection and wiring of	Supply of shunt signal

		position light shunt signal 3 Position complete with post/F marker. The item includes erection of shunt signal indicator either on post by itself with CI base or below the main signal with offset bracket. It includes supply and fixing of shunt signal unit, CLS post, offset bracket, CI base, pinnacles, hood etc. The shunt signal will be as per RDSO Drg.No.SA-23840(Adv). The item also includes termination of cable and complete wiring inside shunt signal units as per standard practice along with the expanded metal cover on front.(Inspection RITES)	position light complete with unit post and surface base as per drg.no SA 23840(adv) to SA 23848 (adv) & specs.no.IRS-S-23/88 (Independent post type). Inspection by- RITES.
Schedule - F Item - 91	Item Description	Supply, erection and wiring of position light shunt signal with unit offset bracket 3.5" dia. The item includes erection of shunt signal indicator either on post by itself with CI base or below the main signal with offset bracket. It includes supply and fixing of shunt signal unit, CLS post, offset bracket, CI base, pinnacles, hood etc. The shunt signal will be as per RDSO Drg.No.SA-23840(Adv). The item also includes termination of cable and complete wiring inside shunt signal units as per standard practice along with the expanded metal cover on front.(Inspection RITES)	Supply of shunt signal position light complete with unit offset bracket 3.5" dia as per drg.no SA 23840(adv) to SA 23848 (adv), specs.no.IRS-S-23/88 (Dependent type). Inspection by- RITES.

New Items

Schedule	SNo.	Item Desc	Bidding Unit	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl. (%)	Amount
Schedule F - SIGNALS	101	Supply & installation of LED base Colour Light Signal Unit complete as per RDSO Specification No.IRS: S-26/64 or latest. The item includes supply & erection of colour light signal post tubular 140 mm dia in required length complete with CI base, CLS unit, ladder with its base, blanking off		27	10	Numbers	74554.41	745544.10	0.00	745544.10

...ete with
...face base as
23840(adv) to
&
23/88
...st type).
...ES.

, ladder
guards,
maintenance
platform and
MS
supporting
bracket in
the middle
of the
ladder,
hoods &
long hoods.
It also
includes
supply &
fixing of
pinnacles,
offset
brackets,
Junction
Type route
indicators, if
any. The
item also
includes
wiring inside
the signal
unit with 2.5
sqmm multi
strand wire
of different
colour
according to
signal
aspect with
copper lug
as per
standard
practice. The
wiring
material
required to
be supplied
by
contractor.
Item
includes
supply of
number
plates with
photo
luminescent
paint /strips.
cross-arms
(wooden) to
be provided
by the
contractor
till the
signals are
introduced.
Item
includes
padlock for
signal units.
Height of
the post:
3.5mtrs for
loop line

Richa

**Schedule F
- SIGNALS**

102

Supply & installation of LED base Colour Light Signal Unit complete as per RDSO Specification No.IRS: S-26/64 or latest. The item includes supply & erection of colour light signal post tubular 140 mm dia in required length complete with CI base, CLS unit, ladder with its base, blanking off, ladder guards, maintenance platform and MS supporting bracket in the middle of the ladder, hoods & long hoods. It also includes supply & fixing of pinnacles, offset brackets, Junction Type route indicators, if

28

49

Numbers

42187.81

2067202.69

0.00

2067202.69

starters, advance starters & distant signals, 4.5 mtrs for main line Starters & Home and 5.5 Mtrs. for Home signal on curves. (2/3-Aspect CLS Unit with 1/2/3 Way Route Indicator). (Inspection by RITES).

Rites

		any. The item also includes wiring inside the signal unit with 2.5 sqmm multi strand wire of different colour according to signal aspect with copper lug as per standard practice. The wiring material required to be supplied by contractor. Item includes supply of number of plates with photo luminescent paint /strips. cross-arms (wooden) to be provided by the contractor till the signals are introduced. Item includes padlock for signal units. Height of the post: 3.5mtrs for loop line starters, advance starters & distant signals, 4.5 mtrs for main line Starters & Home and 5.5 Mtrs. for Home signal on curves. (3/4-Aspect CLS Unit Mounted Directly on Signal Post). (Inspection by RITES).							
Schedule F - SIGNALS	103	Supply & installation of LED base	29	35	Numbers	35852.9	1254851.50	0.00	1254851.50

Colour Light
Signal Unit
complete as
per RDSO
Specification
No. IRS: S-
26/64 or
latest. The
item
includes
supply &
erection of
colour light
signal post
tubular 140
mm dia in
required
length
complete
with CI
base, CLS
unit, ladder
with its
base,
blanking off
, ladder
guards,
maintenance
platform and
MS
supporting
bracket in
the middle
of the
ladder,
hoods &
long hoods.
It also
includes
supply &
fixing of
pinnacles,
offset
brackets,
Junction
Type route
indicators, if
any. The
item also
includes
wiring inside
the signal
unit with 2.5
sqmm multi
strand wire
of different
colour
according to
signal
aspect with
copper lug
as per
standard
practice. The
wiring
material
required to
be supplied
by

Pishu

contractor.
Item
includes
supply of
number
plates with
photo
luminescent
paint /strips.
cross-arms
(wooden) to
be provided
by the
contractor
till the
signals are
introduced.
Item
includes
padlock for
signal units.
Height of
the post:
3.5mtrs for
loop line
starters,
advance
starters &
distant
signals, 4.5
mtrs for
main line
Starters &
Home and
5.5 Mtrs. for
Home signal
on curves.
(2-Aspect
CLS Unit
Mounted
Directly on
Signal Post).
(Inspection
by RITES).

Items Deleted

NIT Schedule

S.No	Code	Item Description
1	Schedule - F Item - 82	Supply & installation of LED base Colour Light Signal Unit complete as per RDSO Specification No.IRS: S-26/64 or latest. The item includes supply & erection of colour light signal post tubular 140 mm dia in required length complete with CI base, CLS unit, ladder with its base, blanking off , ladder guards, maintenance platform and MS supporting bracket in the middle of the ladder, hoods & long hoods. It also includes supply & fixing of pinnacles, offset brackets, Junction Type route indicators, if any. The item also includes wiring inside the signal unit with 2.5 sqmm multi strand wire of different colour according to signal aspect with copper lug as per standard practice. The wiring material required to be supplied by contractor. Item includes supply of number plates with photo luminescent paint /strips. cross-arms (wooden) to be provided by the contractor till the signals are introduced. Item includes padlock for signal units. Height of the post -3.6m with ladder:
2	Schedule - J Item - 124	Preparation of out doorplans i.e. cable core plans, cable route plan. Track jumper plan, Power Supply Diagrams, location diagrams.

3	Schedule - F Item - 98	Fixing & Wiring of 2/3/4 aspect CLS with Junction type 1/2/3/4 way route indicator/Stencil
4	Schedule - F Item - 81	Supply & installation of LED base Colour Light Signal Unit complete as per RDSO Specification No.IRS: S-26/64 or latest. The item includes supply & erection of colour light signal post tubular 140 mm dia in required length complete with CI base, CLS unit, ladder with its base, blanking off , ladder complete with CI base, CLS unit, ladder with its base, blanking off , ladder guards, maintenance platform and MS supporting bracket in the middle of the ladder, hoods & long hoods. It also includes supply & fixing of pinnacles, offset brackets, Junction Type route indicators, if any. The item also includes wiring inside the signal unit with 2.5 sqmm multi strand wire of different colour according to signal aspect with copper lug as per standard practice. The wiring material required to be supplied by contractor. Item includes supply of number plates with photo luminescent paint /strips. cross-arms (wooden) to be provided by the contractor till the signals are introduced. Item includes padlock for signal units. Height of the post -4.6m with ladder:
5	Schedule - L Item - 177	Fabrication, wiring & supply of Simulation panel.
6	Schedule - A Item - 8	Supply, Installation, testing and commissioning of data logger failure analysis Supply, Installation, Testing and commissioning of Failure Analysis System (FAS) as per technical specification given in TS-04 of tender document with Configuration INTEL core i7, 4 GB DDR3 SD RAM, cache 8 MB, level 2, 1 TB HDD or better.
7	Schedule - F Item - 85	Supply & installation of LED base Colour Light Signal Unit complete as per RDSO Specification No.IRS: S-26/64 or latest. The item includes supply & erection of colour light signal post tubular 140 mm dia in required length complete with CI base, CLS unit, ladder with its base, blanking off , ladder complete with CI base, CLS unit, ladder with its base, blanking off , ladder guards, maintenance platform and MS supporting bracket in the middle of the ladder, hoods & long hoods. It also includes supply & fixing of pinnacles, offset brackets, Junction Type route indicators, if any. The item also includes wiring inside the signal unit with 2.5 sqmm multi strand wire of different colour according to signal aspect with copper lug as per standard practice. The wiring material required to be supplied by contractor. Item includes supply of number plates with photo luminescent paint /strips. cross-arms (wooden) to be provided by the contractor till the signals are introduced. Item includes padlock for signal units. Type of signal unit - 4 Aspect
8	Schedule - F Item - 87	Supply and installation of 2/3/4/5 way route indicator in type complete junction type Drg. No. SA-23401 (Adv.) or latest with hoods & offset bracket 5½ " without signal transformer as per RDSO Specn.No.IRS-S-66/84 Amd. 1 or latest.
9	Schedule - F Item - 84	Supply & installation of LED base Colour Light Signal Unit complete as per RDSO Specification No.IRS: S-26/64 or latest. The item includes supply & erection of colour light signal post tubular 140 mm dia in required length complete with CI base, CLS unit, ladder with its base, blanking off , ladder complete with CI base, CLS unit, ladder with its base, blanking off , ladder guards, maintenance platform and MS supporting bracket in the middle of the ladder, hoods & long hoods. It also includes supply & fixing of pinnacles, offset brackets, Junction Type route indicators, if any. The item also includes wiring inside the signal unit with 2.5 sqmm multi strand wire of different colour according to signal aspect with copper lug as per standard practice. The wiring material required to be supplied by contractor. Item includes supply of number plates with photo luminescent paint /strips. cross-arms (wooden) to be provided by the contractor till the signals are introduced. Item includes padlock for signal units. Type of signal unit - 3 Aspect
10	Schedule - F Item - 86	Supply and installation of 1-way route indicator junction type Drg. No. SA-23401 (Adv.) or latest with hoods & offset bracket 5½ " without signal transformer as per RDSO Specn.No.IRS-S-66/84 Amd. 1 or latest.
11	Schedule - L Item - 178	Fabrication, wiring & supply of lamp board.
12	Schedule - F Item - 88	Fixing of CLS surface base, bolting on the foundation. Erection of CLS post with signal unit on the top or on an off-set bracket and fitting ladder and

guard to the post at the top. Concreting ladder base and embedded into the ground with supporting bracket in the middle, blanking of the ladder for a distance of 1 feet between the height 6' 9" and 7' 9" from the rail level by MS angle and MS sheet 6mm thick wherever required. This includes provision of wooden (SAL) cross arm 1 mtr x 1 mtr for CLS unit prior to the commissioning, fixing of LED aspect, current regulator and hoods of CLS unit, terminating cables, wiring the CLS unit and focusing the signal. Elevation & distance of foundation from track shall be in accordance with schedule of dimension for Indian Railways and as per NR practice. All items for the above works except Signal unit, LED signal, Signal post, Base and Ladder shall be supplied by the contractor including but not limited to the following: i) "U" bolt for offset brackets, ii) Wooden cross arm 1 mtr. x 1 mtr., iii) MS angle and MS sheet for blanking of ladder, iv) Supply and fixing of signal number plate (Retro reflective) with complete fittings as per standard railway practice. v) Wire mesh guard, lock for unit if required, nuts, bolts etc for the following: (a) Installation, erection, wiring of 2/3/4 aspect color light signal

13	Schedule - A Item - 23	Supply of powder coated Main Cable Termination rack complete with scaffolding , fixtures & accessories including square bars for mounting 8-way terminal/modular terminal & blocks, ladders, string rods, frame, base assembly, insulators, J bolt, Ubolts & fasteners (Bakelite strips) , Rack arrangement etc. as per extant practice on n Rly for EL. Rack should be made of first class steel powder coated painting and rack manufacturer's certificate should be submitted. All runway for cables I wires shall be provided with PVC sleeve of proper size. All above material including modular terminals shall be supplied by Contractor(Inspection by Consignee).
14	Schedule - F Item - 97	Fixing & wiring of 3/4 aspect CLS
15	Schedule - F Item - 83	Supply & installation of LED base Colour Light Signal Unit complete as per RDSO Specification No.IRS: S-26/64 or latest. The item includes supply & erection of colour light signal post tubular 140 mm dia in required length complete with CI base, CLS unit, ladder with its base, blanking off , ladder guards, maintenance platform and MS supporting bracket in the middle of the ladder, hoods & long hoods. It also includes supply & fixing of pinnacles, offset brackets, Junction Type route indicators, if any. The item also includes wiring inside the signal unit with 2.5 sqmm multi strand wire of different colour according to signal aspect with copper lug as per standard practice. The wiring material required to be supplied by contractor. Item includes supply of number plates with photo luminescent paint /strips. cross-arms (wooden) to be provided by the contractor till the signals are introduced. Item includes padlock for signal units. Type of signal unit - 2 Aspect
16	Schedule - F Item - 96	Fixing & wiring of 2 aspect CLS

Close

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